

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042623\
 Data File : VW030893.D
 Acq On : 26 Apr 2023 20:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050343

Quant Time: Apr 27 04:49:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 27 04:45:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	222928	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	217855	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	132227	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	59020	36.115	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 72.220%			
7) Chloroethane-d5	1.536	69	56466	41.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.460%			
11) 1,1-Dichloroethene-d2	2.066	65	31835	41.077	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.160%			
21) 2-Butanone-d5	3.799	46	95787	106.712	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.710%			
24) Chloroform-d	4.259	84	142523	48.123	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.240%			
26) 1,2-Dichloroethane-d4	4.950	65	99365	52.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.380%			
32) Benzene-d6	4.969	84	252891	49.098	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.200%			
36) 1,2-Dichloropropane-d6	5.998	67	74654	46.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.320%			
41) Toluene-d8	7.249	98	244108	50.477	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.960%			
43) trans-1,3-Dichloroprop...	7.558	79	39531	49.021	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.040%			
47) 2-Hexanone-d5	8.034	63	60807	96.476	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.480%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	120478	51.894	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.780%			
66) 1,2-Dichlorobenzene-d4	11.567	152	107106	50.962	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	77107	40.230	ug/L	99
3) Chloromethane	1.217	50	91387	36.348	ug/L	99
5) Vinyl chloride	1.288	62	84377	41.626	ug/L	99
6) Bromomethane	1.490	94	41371	51.471	ug/L	97
8) Chloroethane	1.552	64	57348	41.248	ug/L	100
9) Trichlorofluoromethane	1.719	101	153412	46.697	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	76529	44.325	ug/L	99
12) 1,1-Dichloroethene	2.076	96	69415	44.469	ug/L	96
13) Acetone	2.127	43	95037	68.422	ug/L	99
14) Carbon disulfide	2.246	76	165828	37.611	ug/L	98
15) Methyl Acetate	2.381	43	87095	46.987	ug/L	100
16) Methylene chloride	2.455	84	77969	43.648	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	68144	43.243	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	249353	49.401	ug/L	98
19) 1,1-Dichloroethane	3.121	63	141819	44.141	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	79597	46.434	ug/L	99
22) 2-Butanone	3.883	43	117327	81.739	ug/L	100
23) Bromochloromethane	4.156	128	45159	47.168	ug/L	96
25) Chloroform	4.285	83	156431	47.041	ug/L	97

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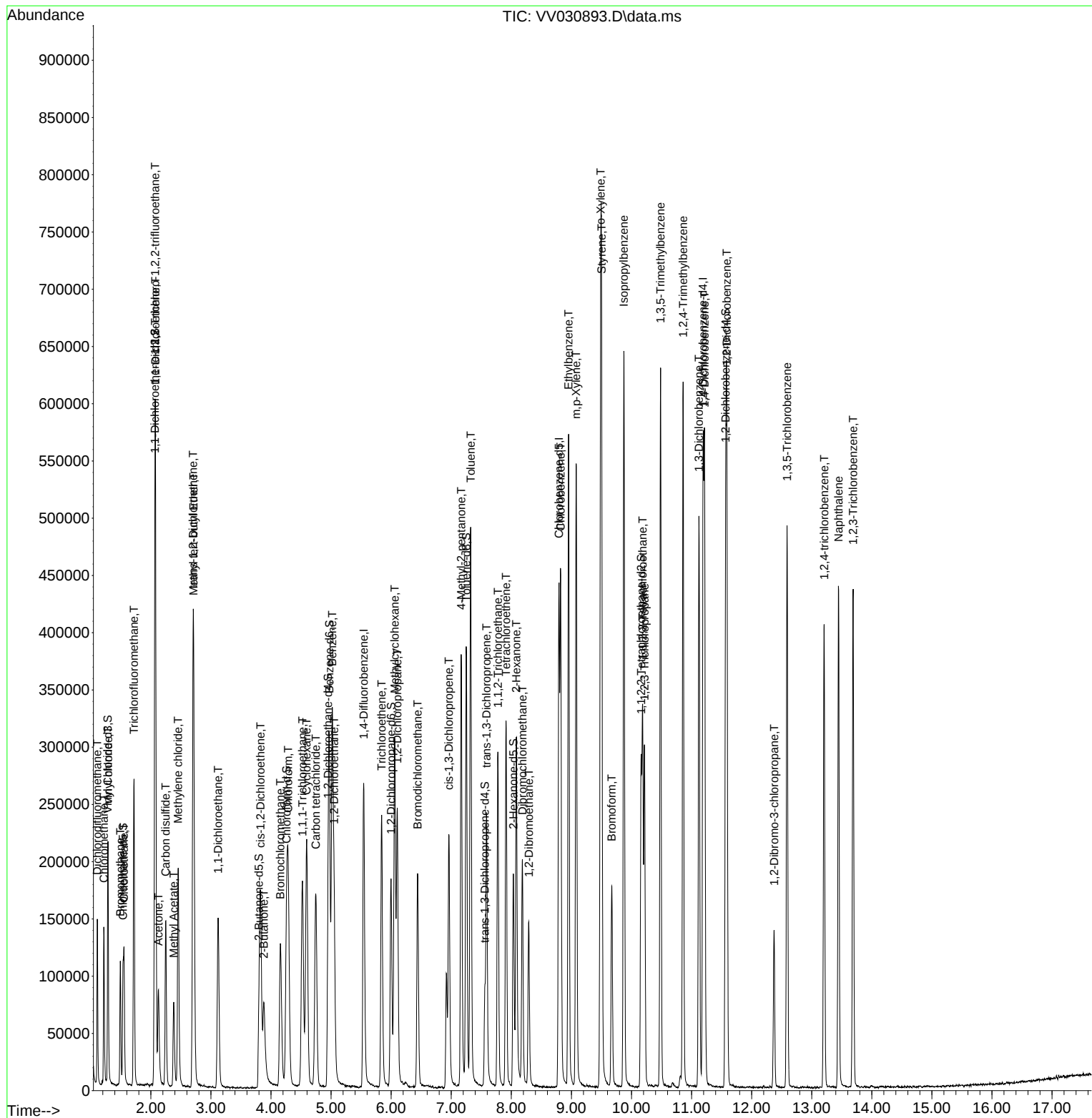
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	142769	50.718	ug/L	99
29) Cyclohexane	4.593	56	109037	41.707	ug/L	97
30) 1,1,1-Trichloroethane	4.523	97	146167	47.748	ug/L	100
31) Carbon tetrachloride	4.744	117	128866	47.084	ug/L	100
33) Benzene	5.018	78	306208	46.286	ug/L	100
34) Trichloroethene	5.841	95	78316	45.512	ug/L	97
35) Methylcyclohexane	6.059	83	115191	42.722	ug/L	97
37) 1,2-Dichloropropane	6.101	63	81246	45.628	ug/L	99
38) Bromodichloromethane	6.439	83	117006	46.778	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	116824	43.714	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	242750	97.595	ug/L	98
42) Toluene	7.323	91	338963	47.836	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	125018	47.615	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	83937	47.010	ug/L	98
46) Tetrachloroethene	7.911	164	69745	46.305	ug/L	97
48) 2-Hexanone	8.085	43	195486	95.251	ug/L	96
49) Dibromochloromethane	8.185	129	92879	47.160	ug/L	98
50) 1,2-Dibromoethane	8.291	107	86514	46.763	ug/L #	97
51) Chlorobenzene	8.821	112	223418	47.608	ug/L	98
52) Ethylbenzene	8.953	91	371262	47.327	ug/L	99
53) m,p-Xylene	9.079	106	145433	49.082	ug/L	99
54) o-Xylene	9.487	106	141803	48.919	ug/L	97
55) Styrene	9.503	104	257098	50.492	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	137442	46.885	ug/L	98
59) Bromoform	9.670	173	76746	46.359	ug/L	99
60) Isopropylbenzene	9.873	105	383704	46.530	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	107402	45.351	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	314430	46.310	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	313506	46.246	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	195201	47.280	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	201819	46.357	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	196303	47.131	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	32029	45.648	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	146940	47.114	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	123514	46.644	ug/L	98
71) Naphthalene	13.445	128	330879	45.678	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	125586	47.828	ug/L	98

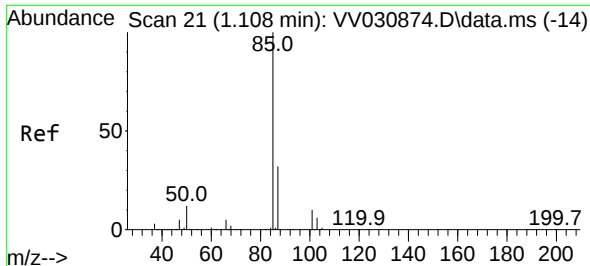
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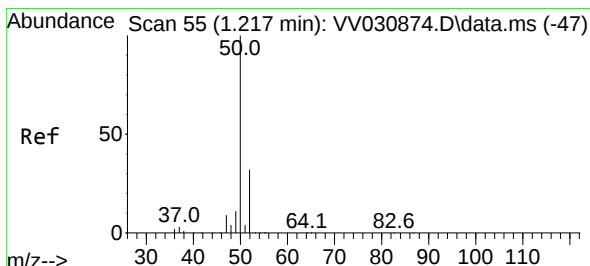
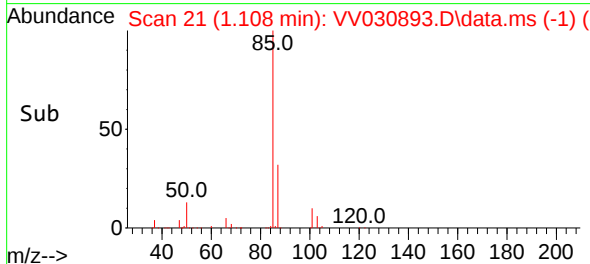
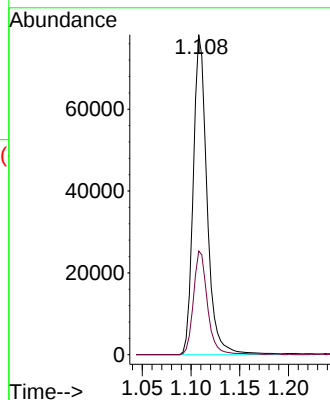
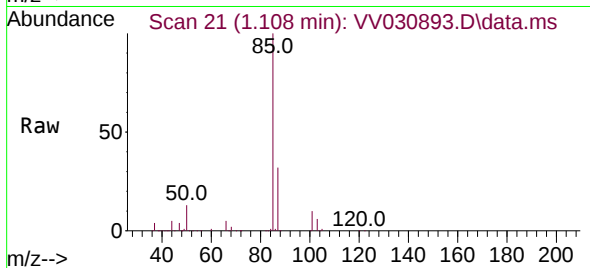




#2
 Dichlorodifluoromethane
 Concen: 40.230 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

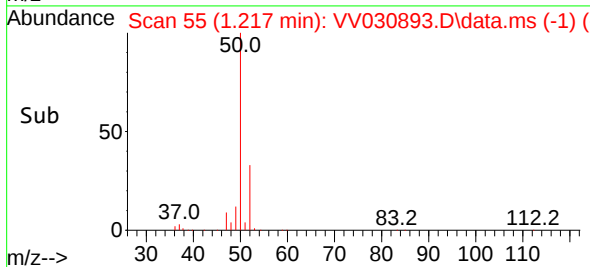
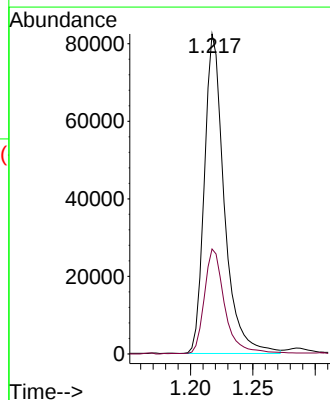
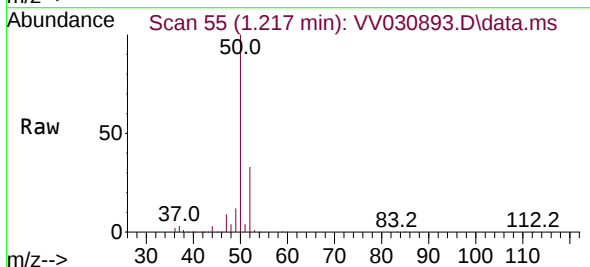
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 MSVOA_V
 ClientSampleId :
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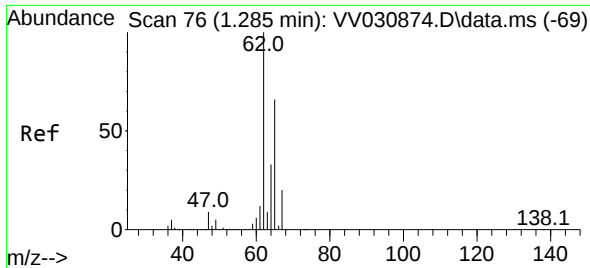
Tgt Ion: 85 Resp: 77107
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.6 38.4



#3
 Chloromethane
 Concen: 36.348 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion: 50 Resp: 91387
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.9

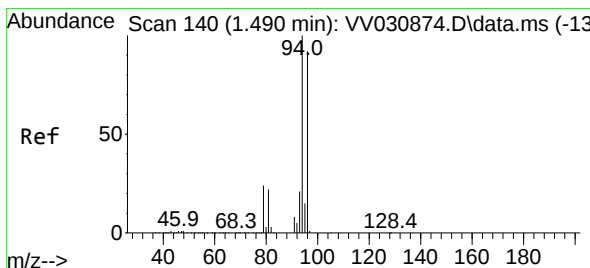
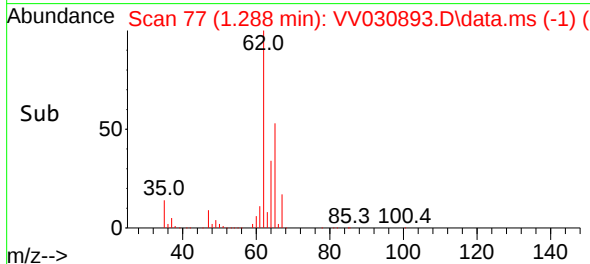
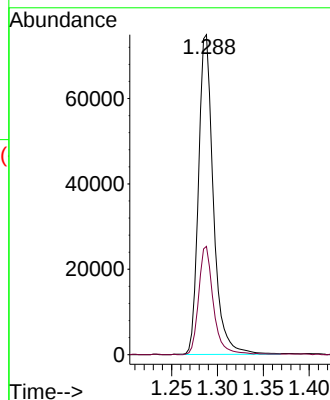
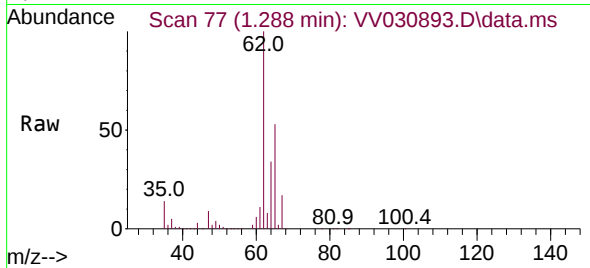




#5
 Vinyl chloride
 Concen: 41.626 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

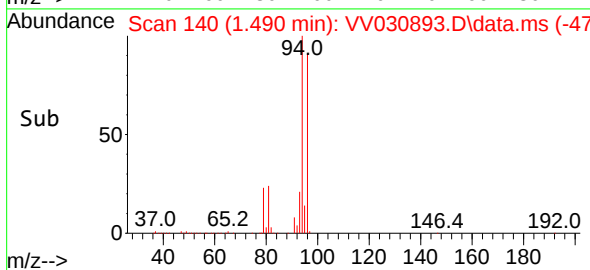
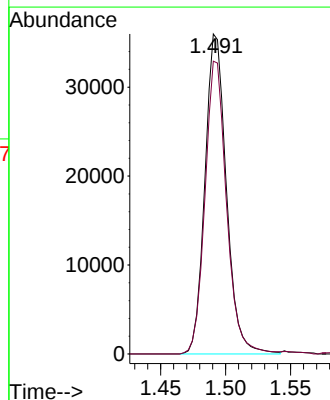
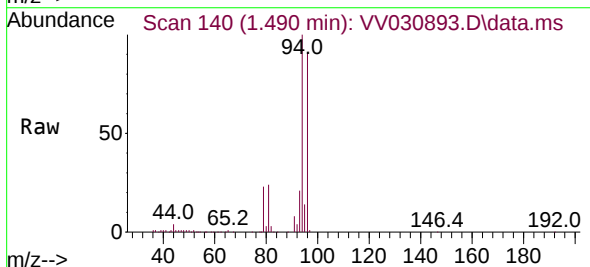
Instrument :
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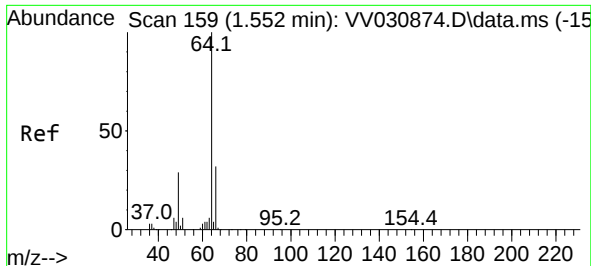
Tgt Ion: 62 Resp: 84377
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.4 43.4



#6
 Bromomethane
 Concen: 51.471 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion: 94 Resp: 41371
 Ion Ratio Lower Upper
 94 100
 96 91.5 66.3 123.1

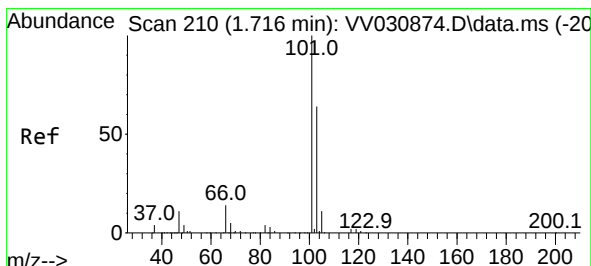
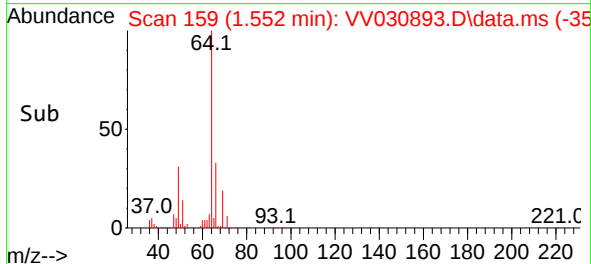
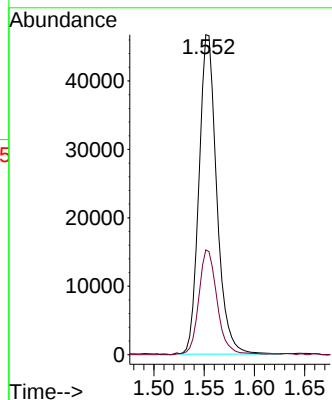
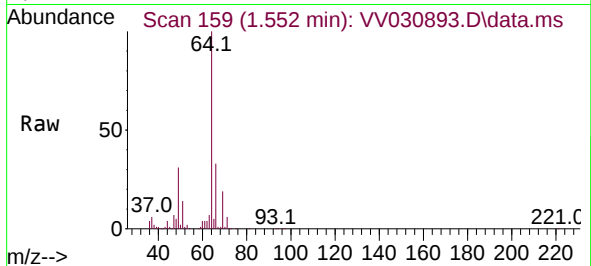




#8
Chloroethane
Concen: 41.248 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

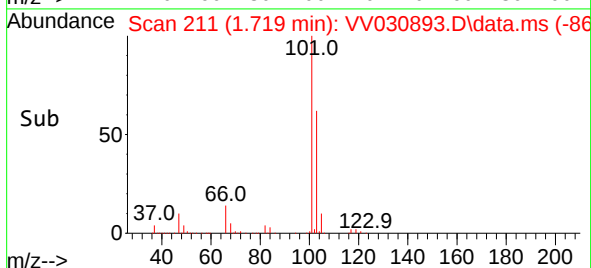
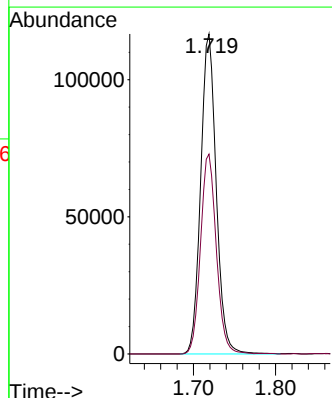
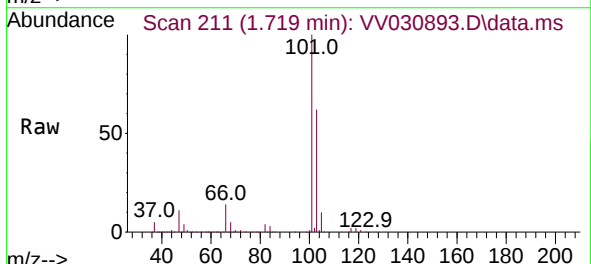
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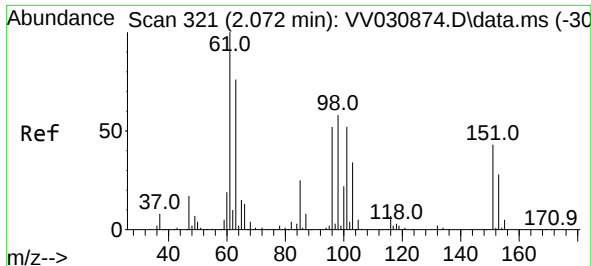
Tgt Ion: 64 Resp: 57348
Ion Ratio Lower Upper
64 100
66 32.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 46.697 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 101 Resp: 153412
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.0

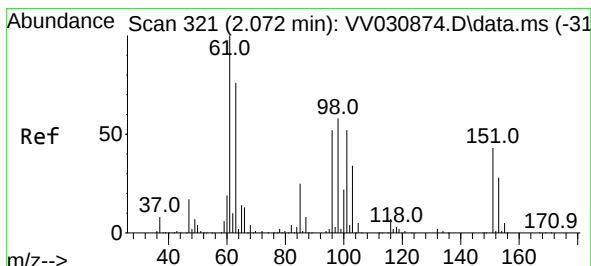
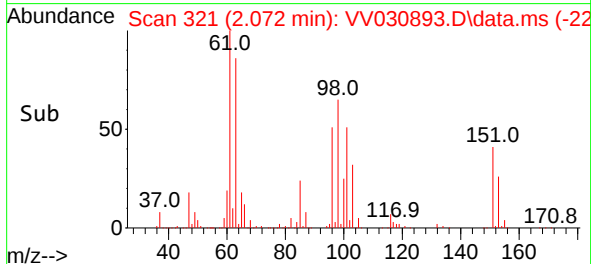
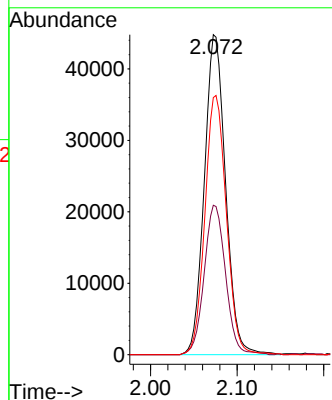
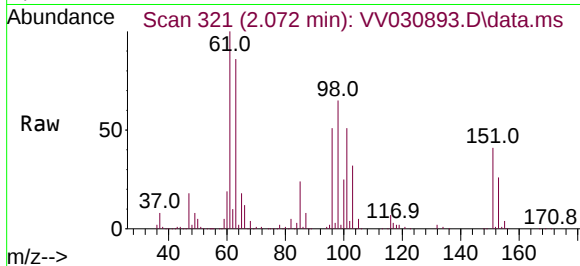




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.325 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030893.D
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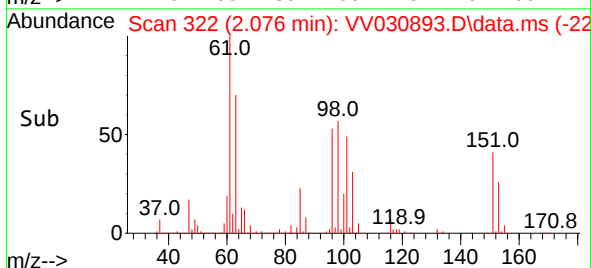
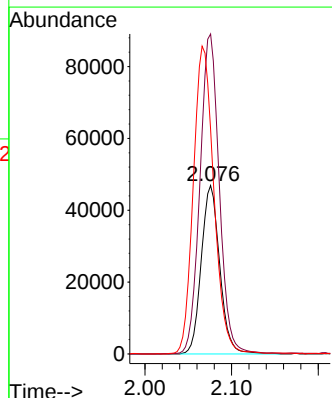
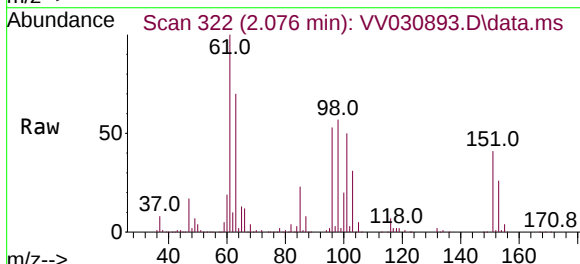
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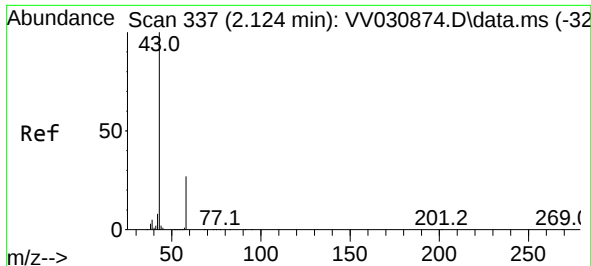
Tgt Ion: 101 Resp: 76529
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.5 56.3
 151 81.4 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 44.469 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion: 96 Resp: 69415
 Ion Ratio Lower Upper
 96 100
 61 189.8 131.9 245.0
 63 133.3 99.8 185.3





#13

Acetone

Concen: 68.422 ug/L

RT: 2.127 min Scan# 337

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

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ClientSampleId :

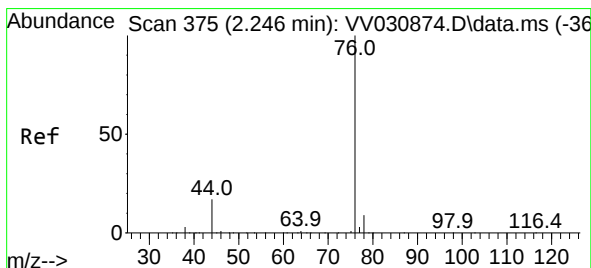
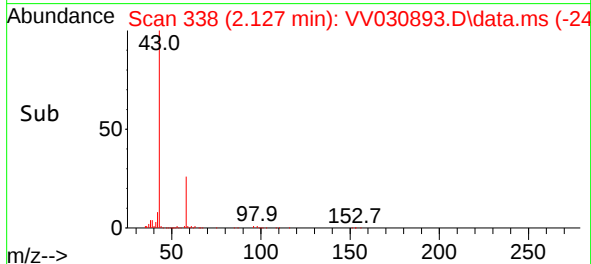
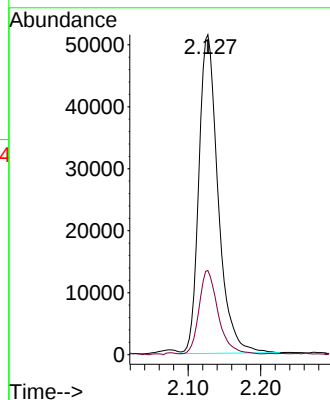
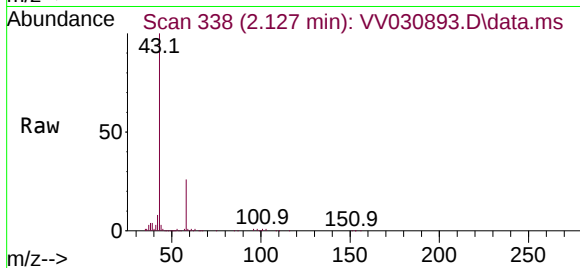
VSTD050343

Tgt Ion: 43 Resp: 95037

Ion Ratio Lower Upper

43 100

58 25.9 0.0 52.8



#14

Carbon disulfide

Concen: 37.611 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

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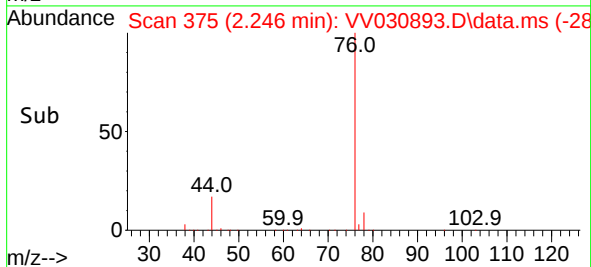
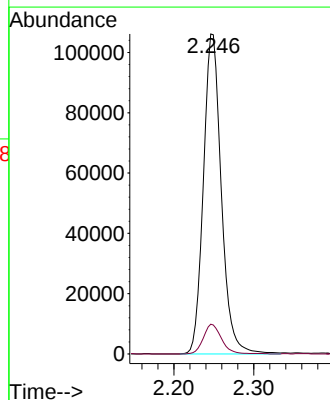
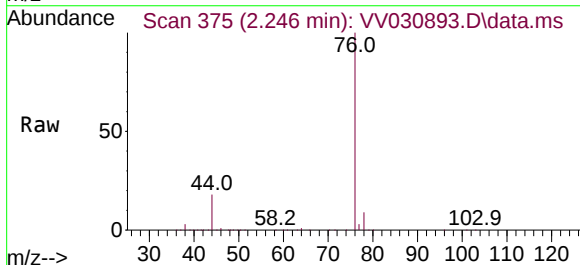
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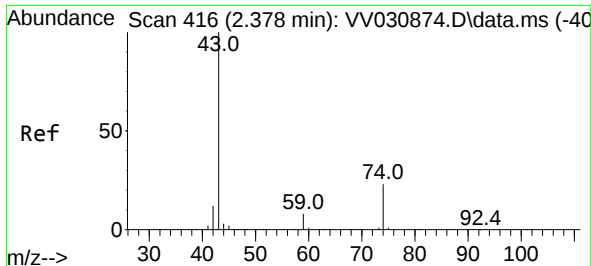
Tgt Ion: 76 Resp: 165828

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

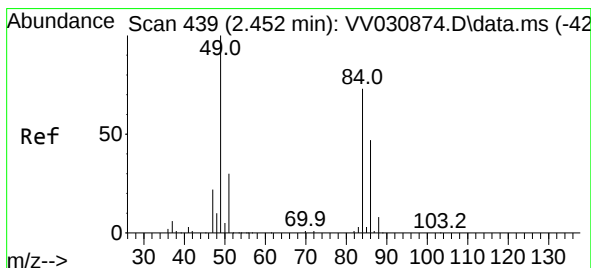
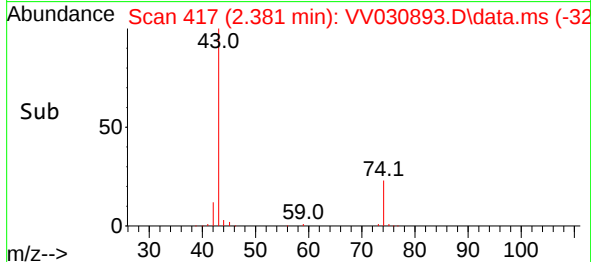
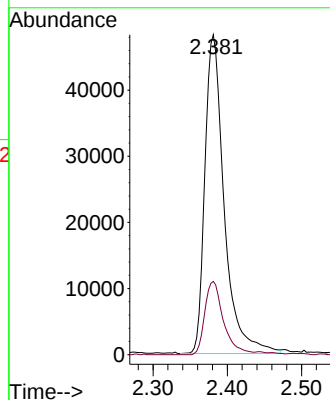
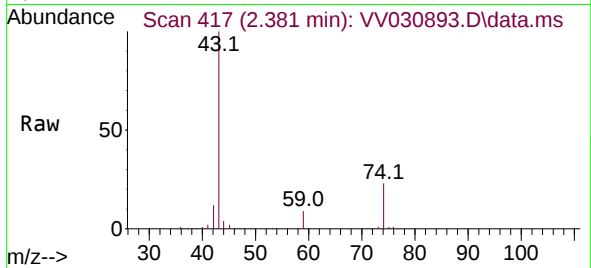




#15
Methyl Acetate
Concen: 46.987 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

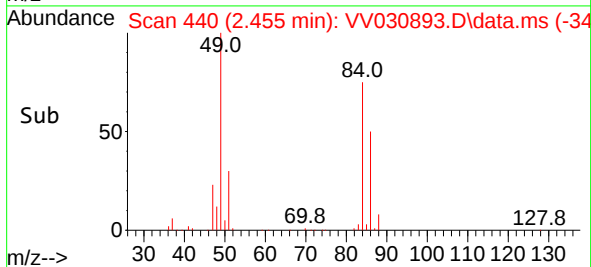
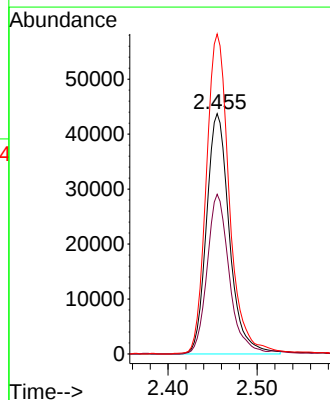
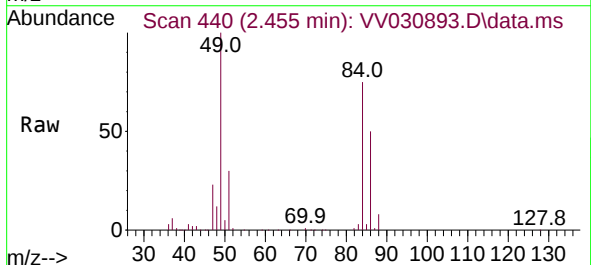
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

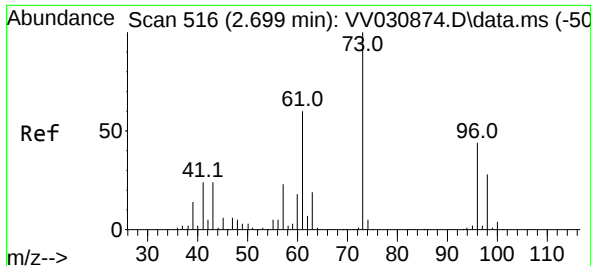
Tgt Ion: 43 Resp: 87095
Ion Ratio Lower Upper
43 100
74 22.2 17.7 26.5



#16
Methylene chloride
Concen: 43.648 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 84 Resp: 77969
Ion Ratio Lower Upper
84 100
86 66.5 45.4 84.2
49 133.1 90.4 168.0





#17

trans-1,2-Dichloroethene

Concen: 43.243 ug/L

RT: 2.703 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

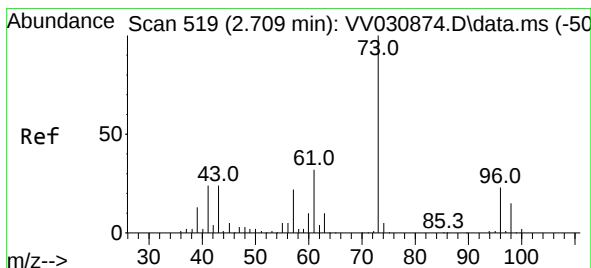
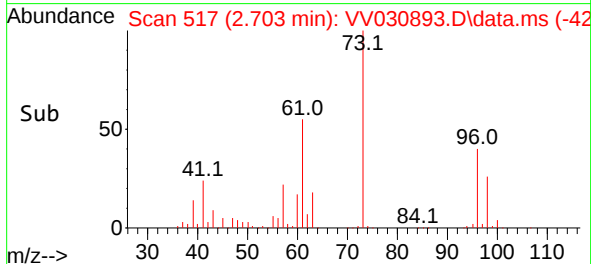
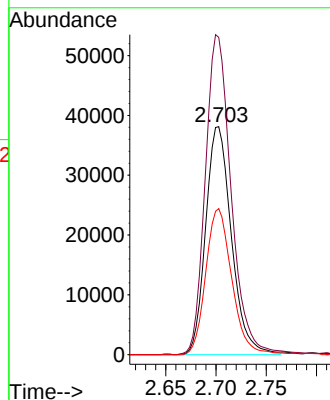
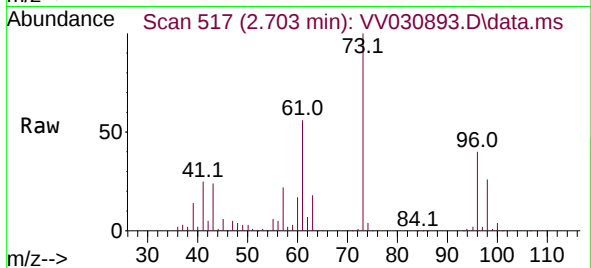
Tgt Ion: 96 Resp: 68144

Ion Ratio Lower Upper

96 100

61 139.2 101.0 187.6

98 64.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 49.401 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

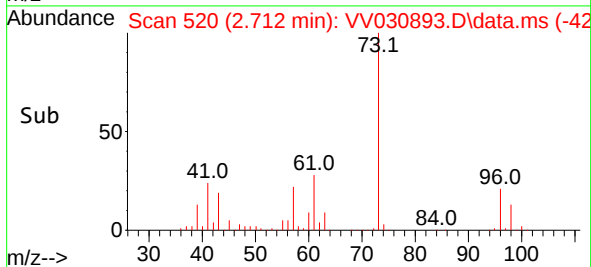
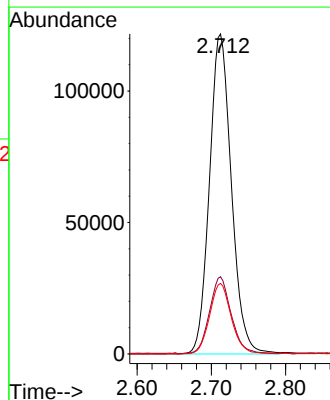
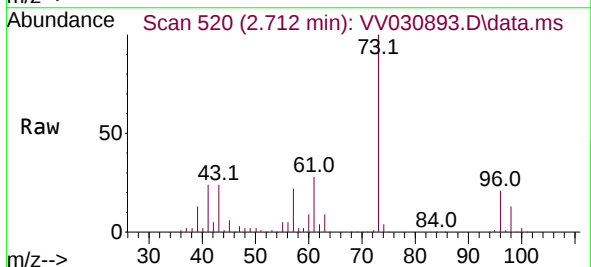
Tgt Ion: 73 Resp: 249353

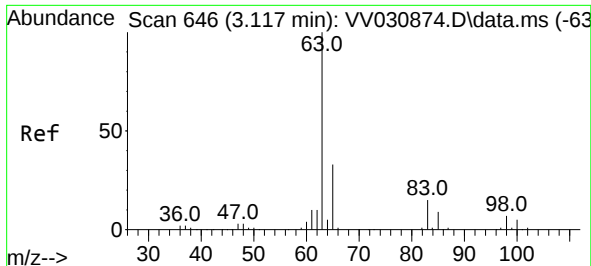
Ion Ratio Lower Upper

73 100

43 23.5 17.6 26.4

57 21.9 18.2 27.2





#19

1,1-Dichloroethane

Concen: 44.141 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

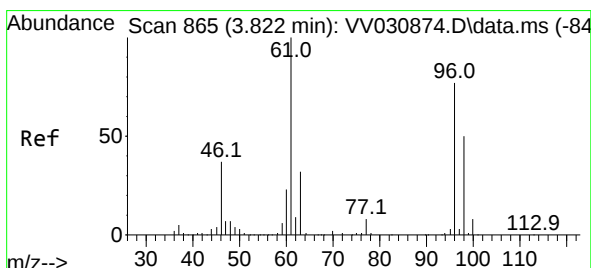
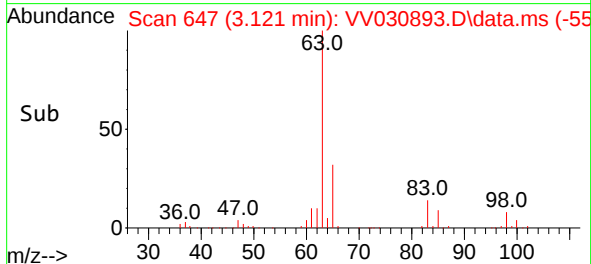
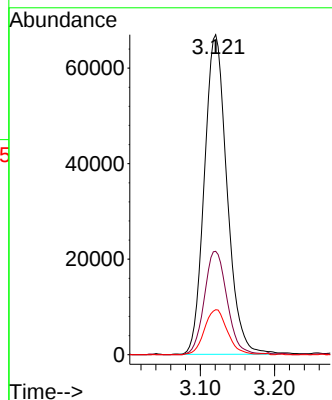
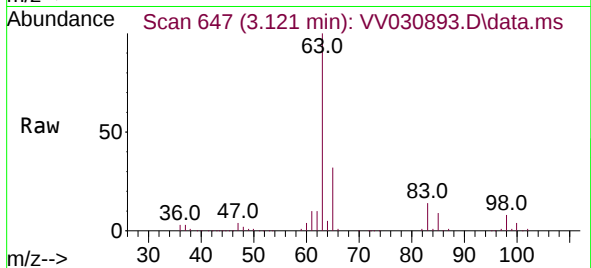
Tgt Ion: 63 Resp: 141819

Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.6

83 14.1 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 46.434 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

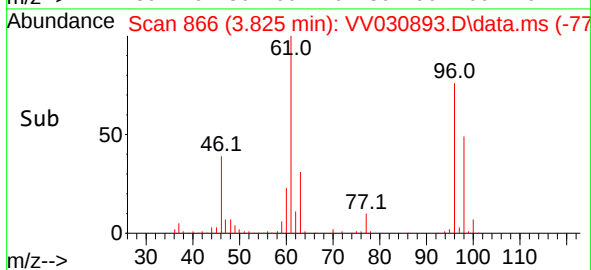
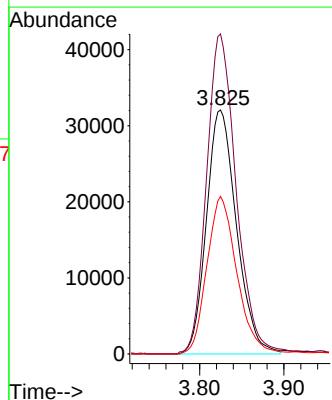
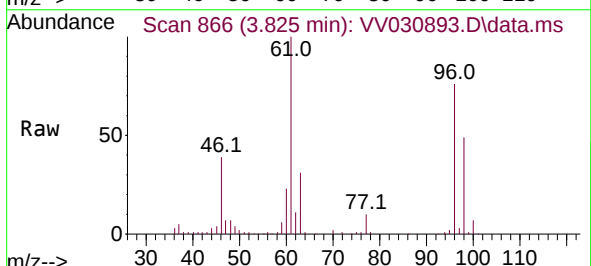
Tgt Ion: 96 Resp: 79597

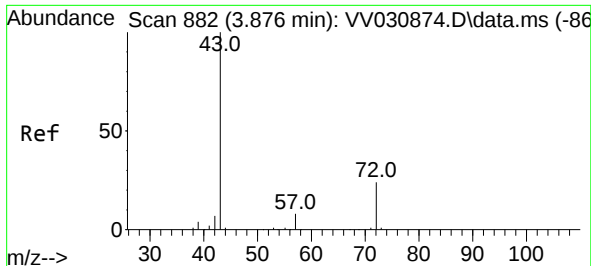
Ion Ratio Lower Upper

96 100

61 131.1 92.3 171.3

98 64.6 45.9 85.3

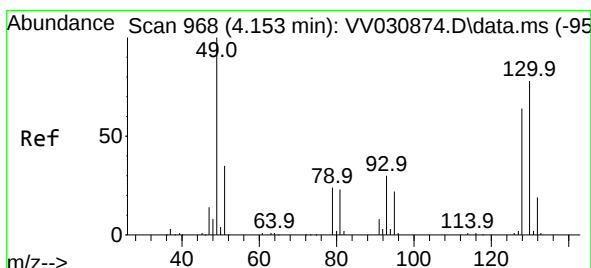
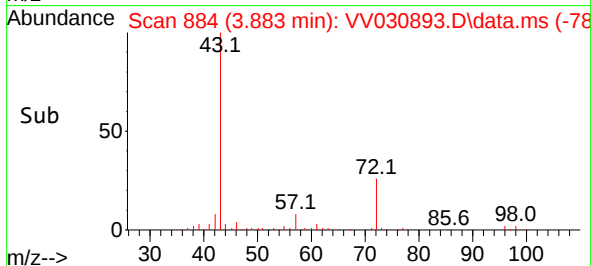
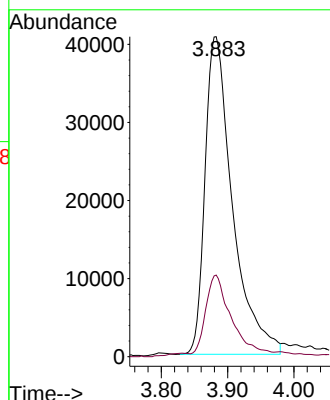
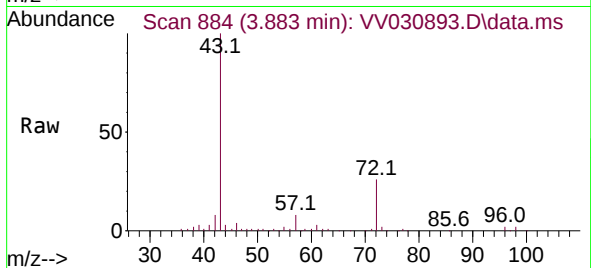




#22
2-Butanone
Concen: 81.739 ug/L
RT: 3.883 min Scan# 882
Delta R.T. 0.006 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

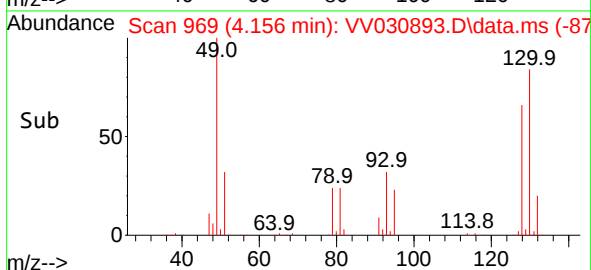
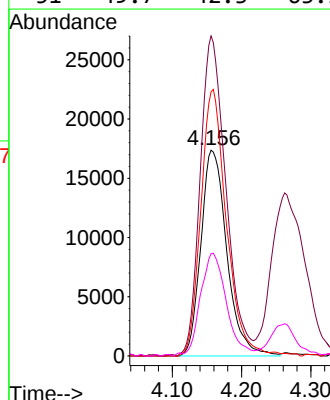
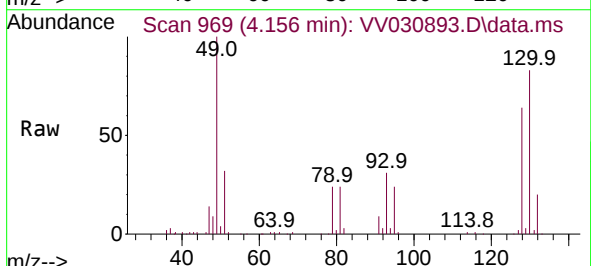
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

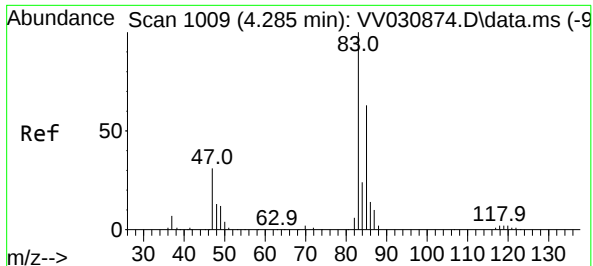
Tgt Ion: 43 Resp: 117327
Ion Ratio Lower Upper
43 100
72 22.8 11.5 34.4



#23
Bromochloromethane
Concen: 47.168 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 128 Resp: 45159
Ion Ratio Lower Upper
128 100
49 155.6 114.7 213.1
130 128.4 89.0 165.2
51 49.7 42.3 63.5

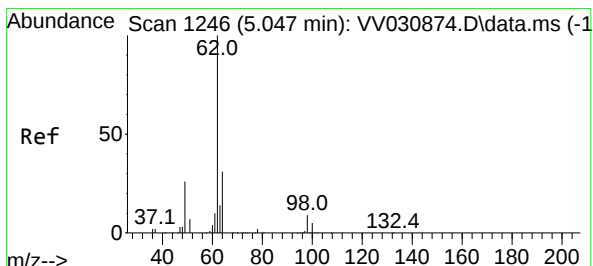
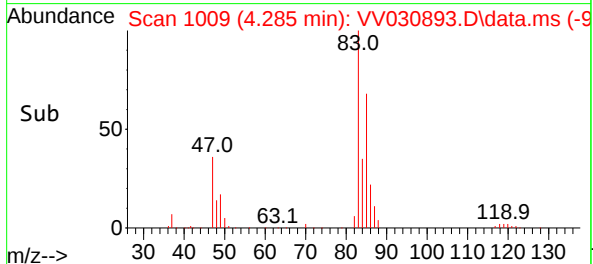
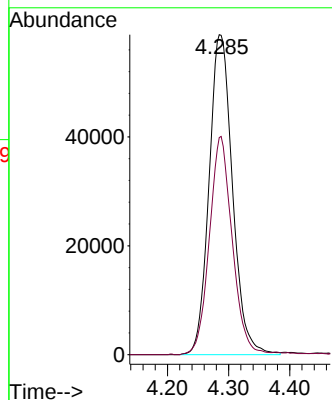
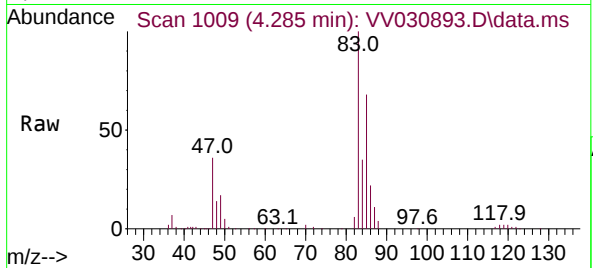




#25
Chloroform
Concen: 47.041 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

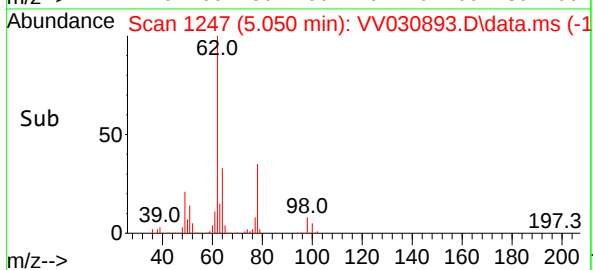
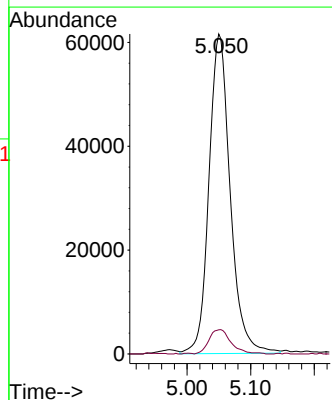
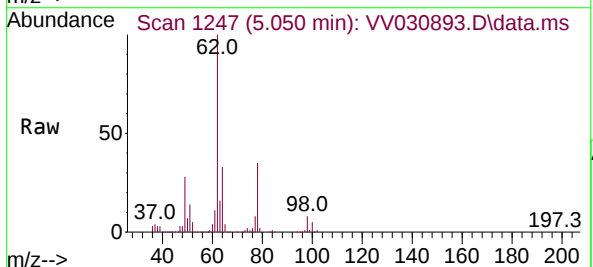
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

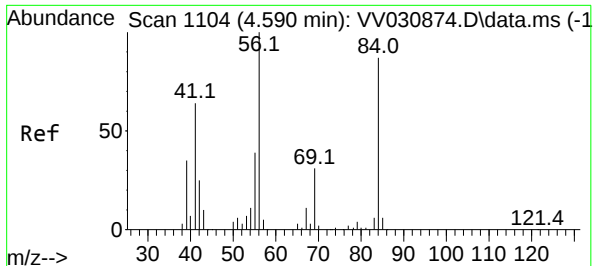
Tgt Ion: 83 Resp: 156431
Ion Ratio Lower Upper
83 100
85 67.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 50.718 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 62 Resp: 142769
Ion Ratio Lower Upper
62 100
98 7.5 6.4 9.6





#29

Cyclohexane

Concen: 41.707 ug/L

RT: 4.593 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

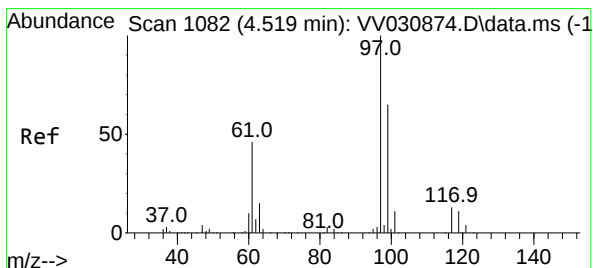
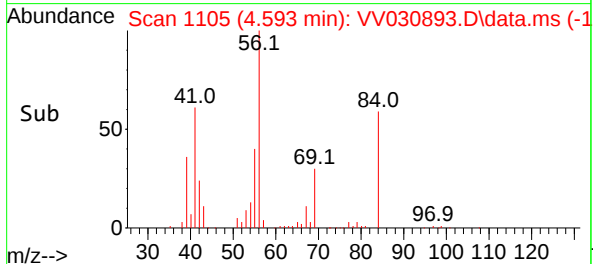
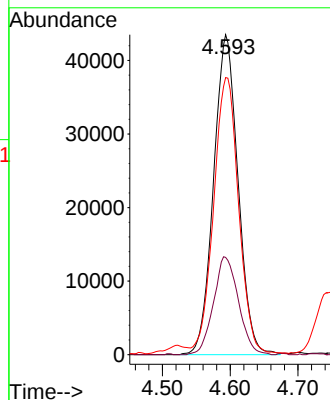
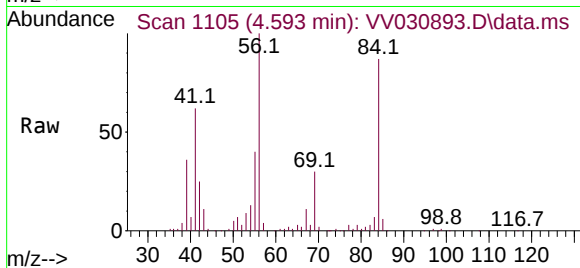
Tgt Ion: 56 Resp: 109037

Ion Ratio Lower Upper

56 100

69 31.2 24.0 36.0

84 88.1 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 47.748 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

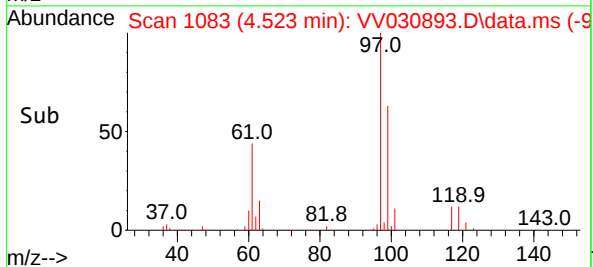
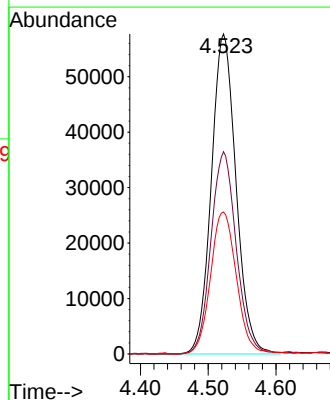
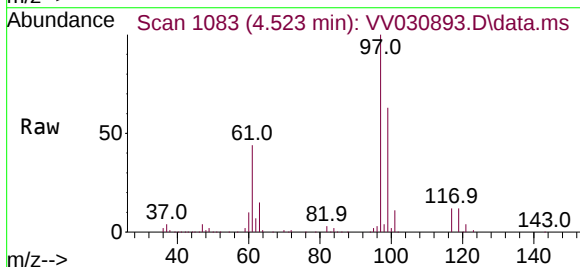
Tgt Ion: 97 Resp: 146167

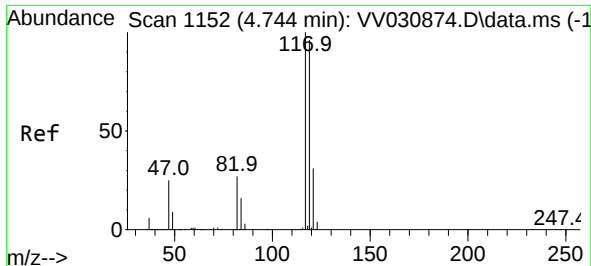
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 46.5 37.0 55.6

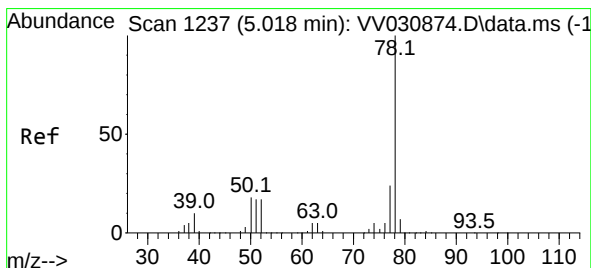
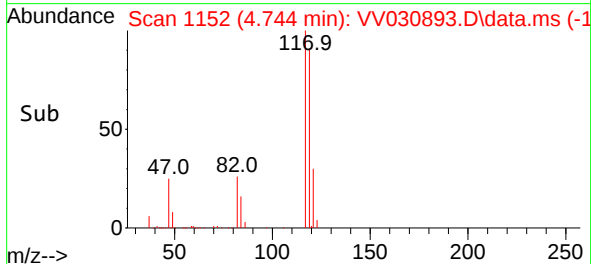
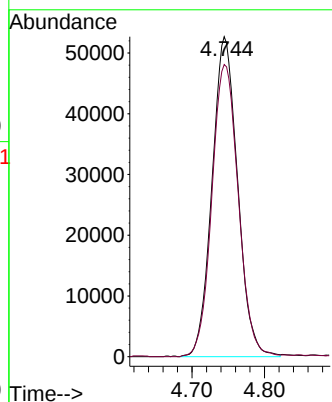
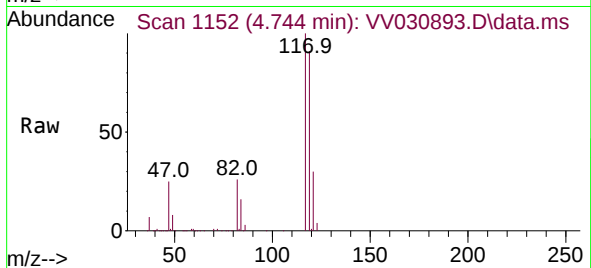




#31
Carbon tetrachloride
Concen: 47.084 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

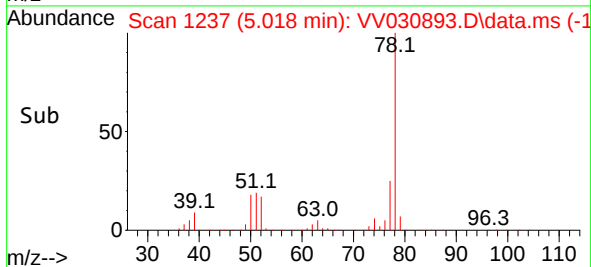
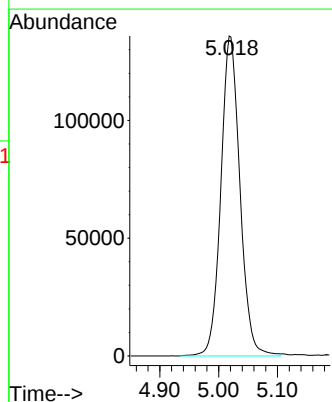
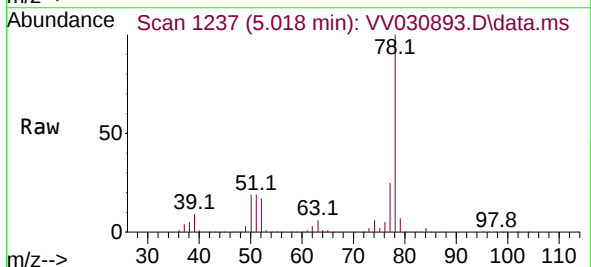
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

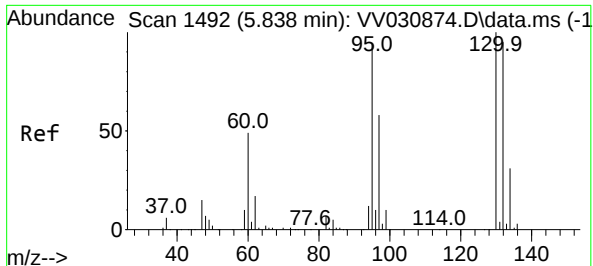
Tgt Ion:117 Resp: 128866
Ion Ratio Lower Upper
117 100
119 94.5 75.9 113.9



#33
Benzene
Concen: 46.286 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 78 Resp: 306208



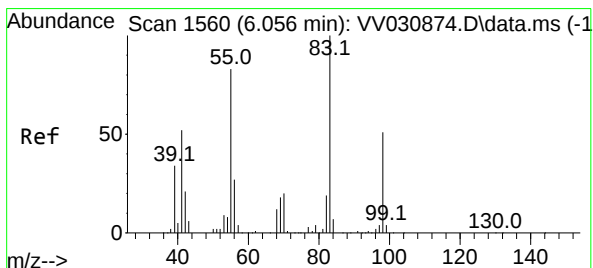
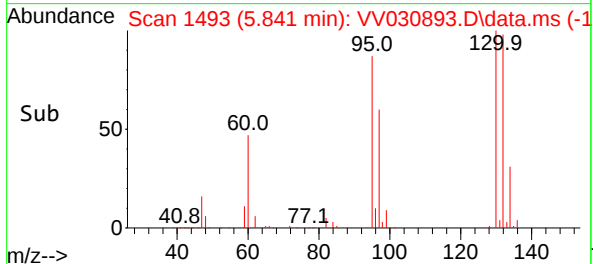
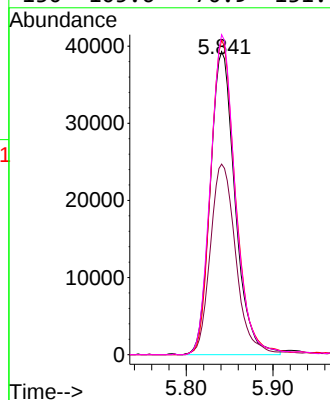
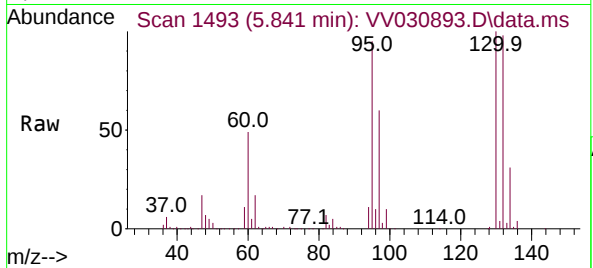


#34
 Trichloroethene
 Concen: 45.512 ug/L
 RT: 5.841 min Scan# 1493
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050343

Tgt Ion: 95 Resp: 78316

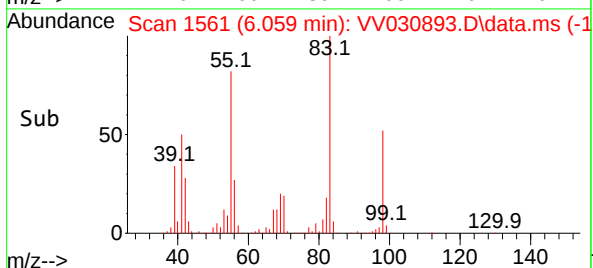
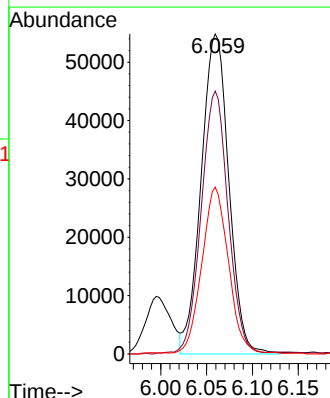
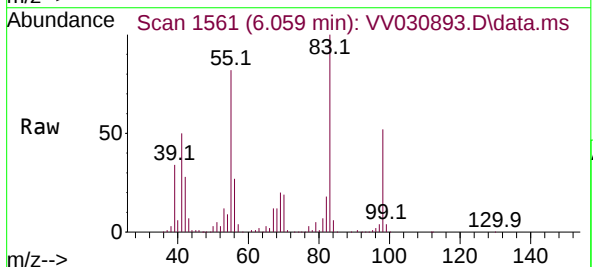
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.8	85.2
132	103.7	70.6	131.2
130	105.6	70.9	131.7

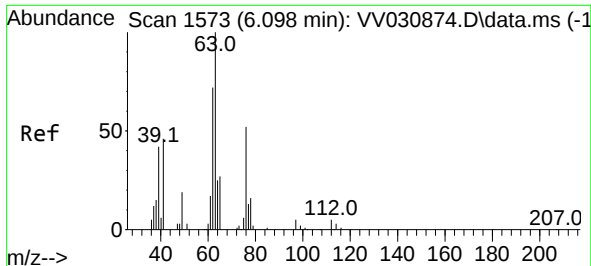


#35
 Methylcyclohexane
 Concen: 42.722 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion: 83 Resp: 115191

Ion	Ratio	Lower	Upper
83	100		
55	78.8	65.5	98.3
98	49.7	38.7	58.1





#37

1,2-Dichloropropane

Concen: 45.628 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

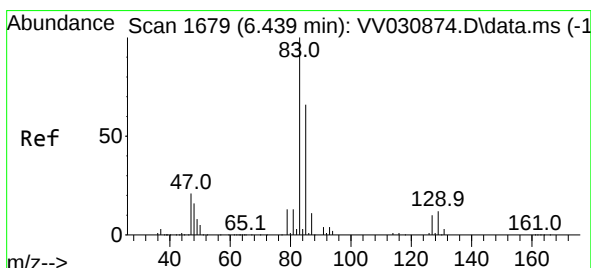
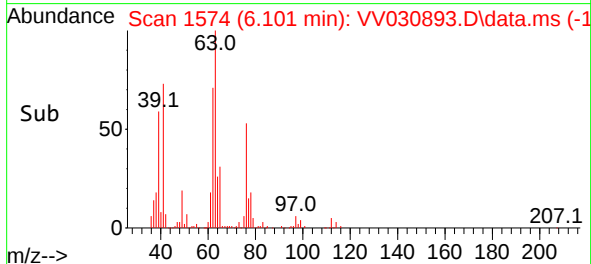
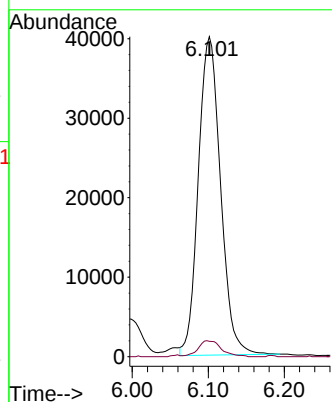
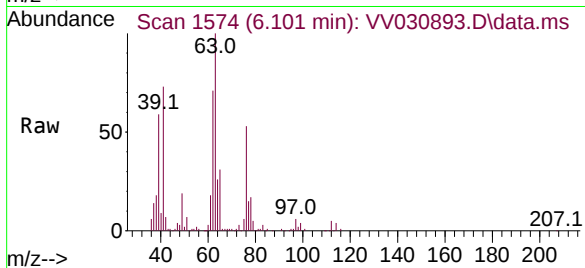
VSTD050343

Tgt Ion: 63 Resp: 81246

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 46.778 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

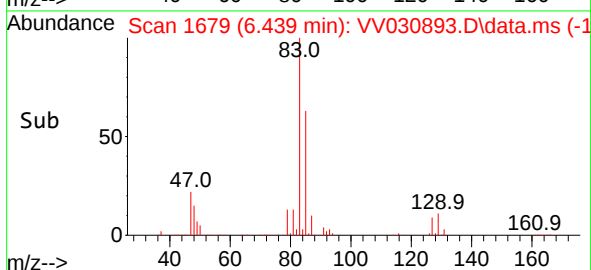
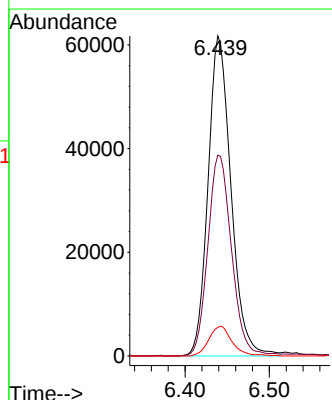
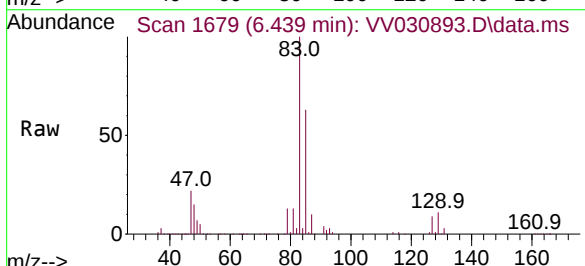
Tgt Ion: 83 Resp: 117006

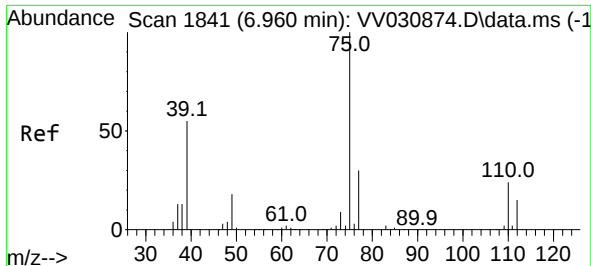
Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.4

127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 43.714 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

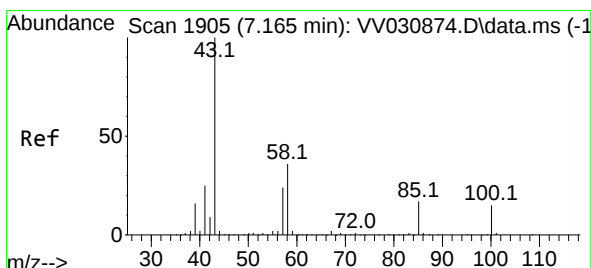
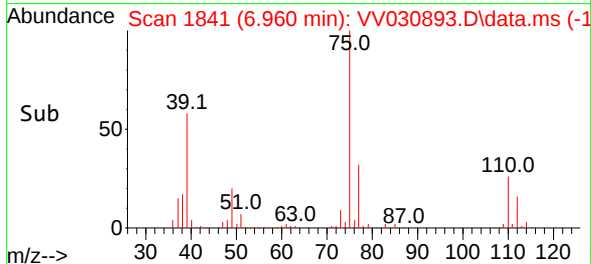
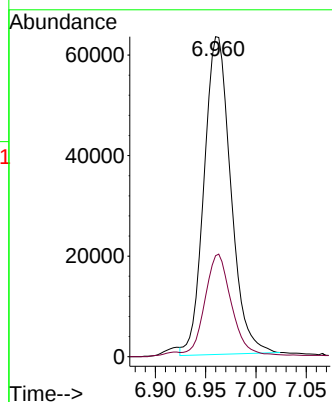
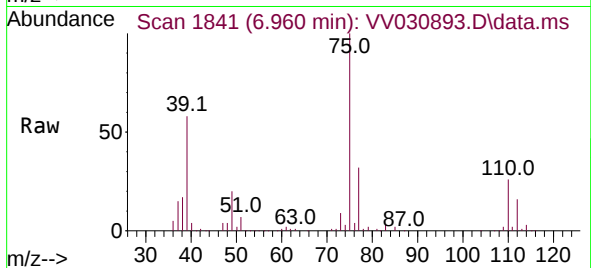
VSTD050343

Tgt Ion: 75 Resp: 116824

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 97.595 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

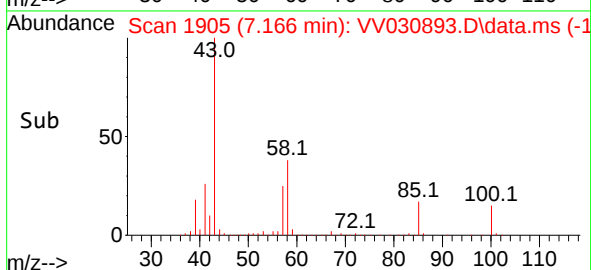
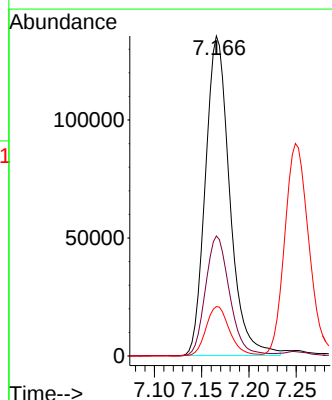
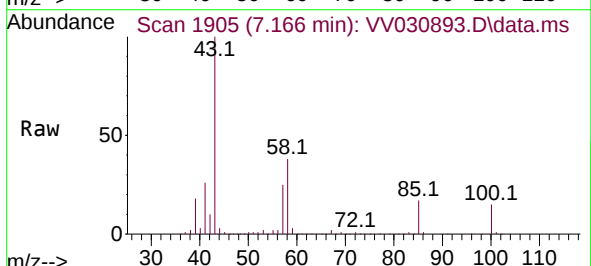
Tgt Ion: 43 Resp: 242750

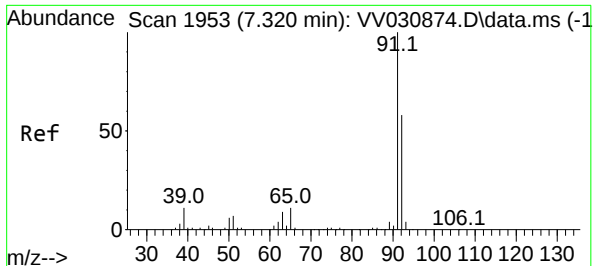
Ion Ratio Lower Upper

43 100

58 37.5 29.2 43.8

100 15.1 11.3 16.9





#42

Toluene

Concen: 47.836 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

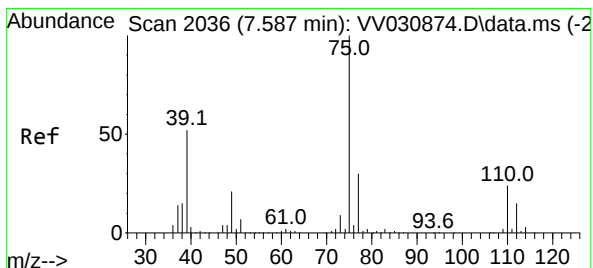
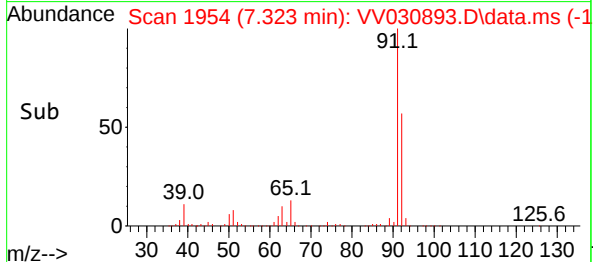
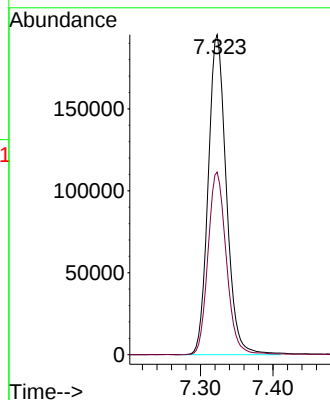
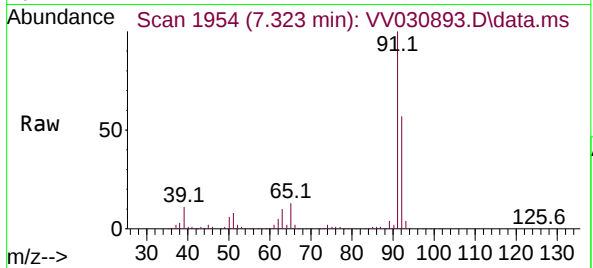
VSTD050343

Tgt Ion: 91 Resp: 338963

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 47.615 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030893.D

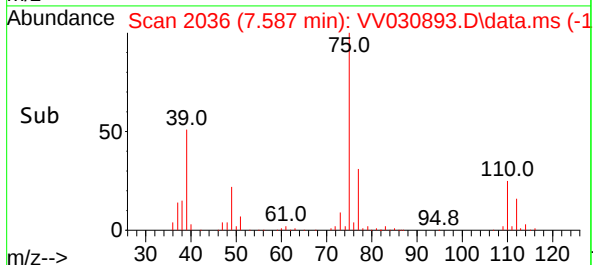
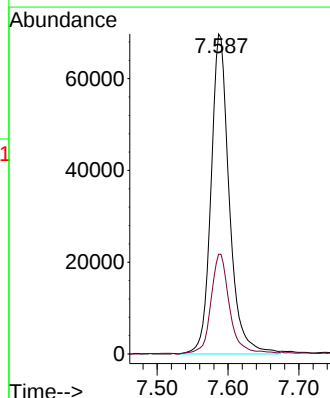
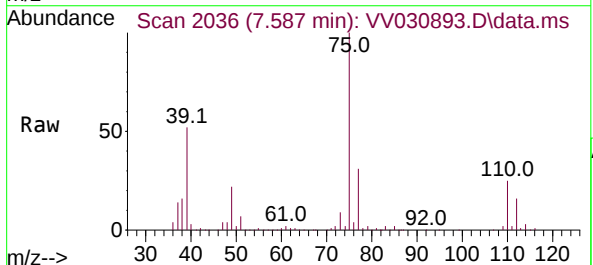
Acq: 26 Apr 2023 20:47

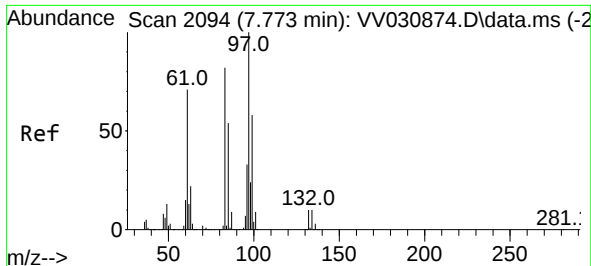
Tgt Ion: 75 Resp: 125018

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 47.010 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

Tgt Ion: 97 Resp: 83937

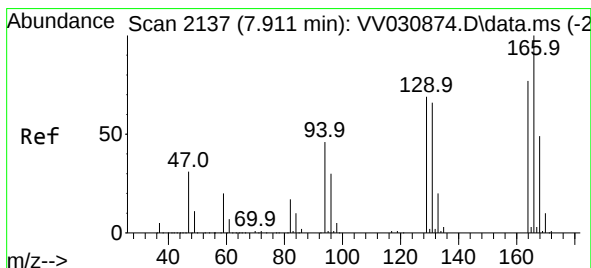
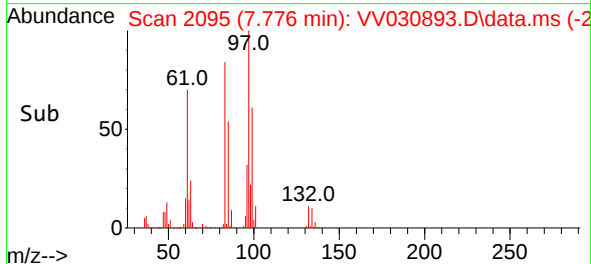
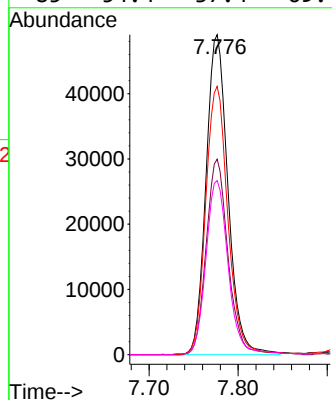
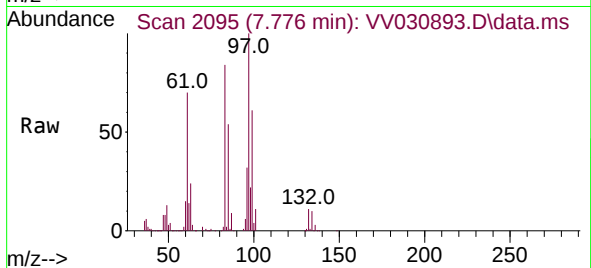
Ion Ratio Lower Upper

97 100

99 61.1 43.8 81.4

83 83.9 59.6 110.6

85 54.4 37.4 69.4



#46

Tetrachloroethene

Concen: 46.305 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Tgt Ion:164 Resp: 69745

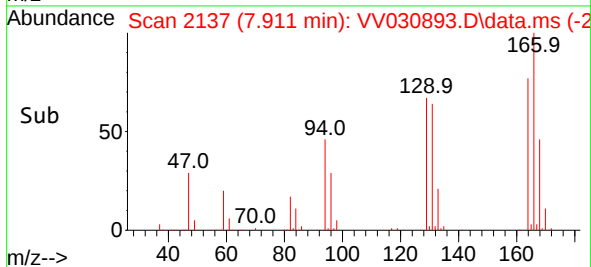
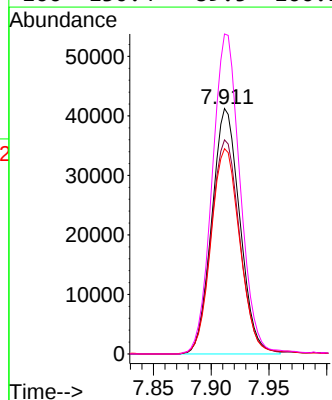
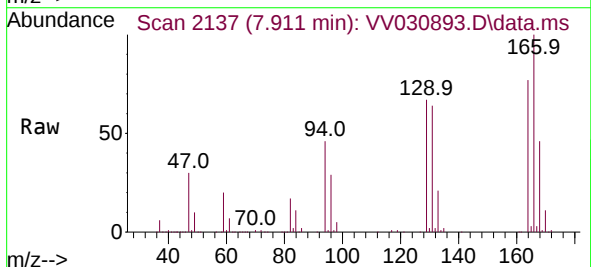
Ion Ratio Lower Upper

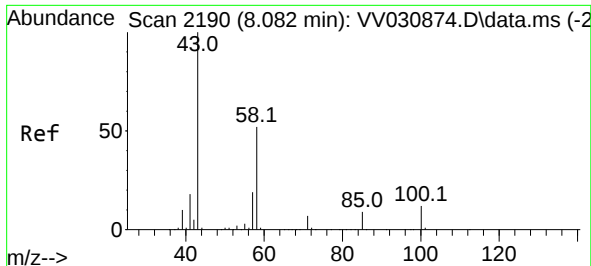
164 100

129 87.2 63.8 118.6

131 83.7 60.3 111.9

166 130.4 89.5 166.1

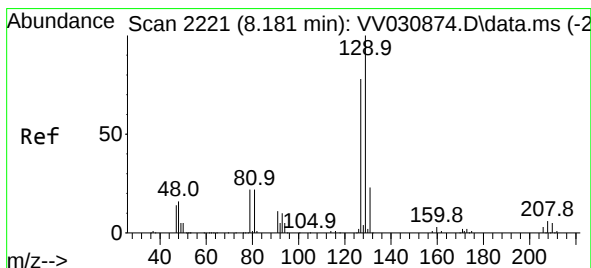
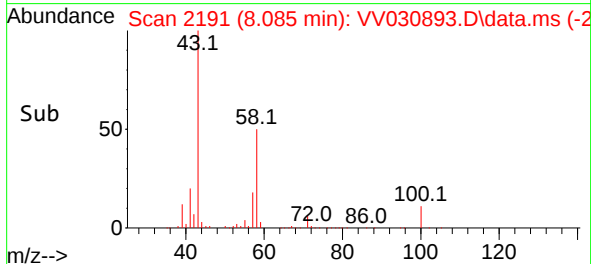
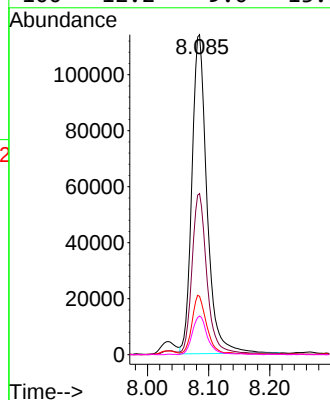
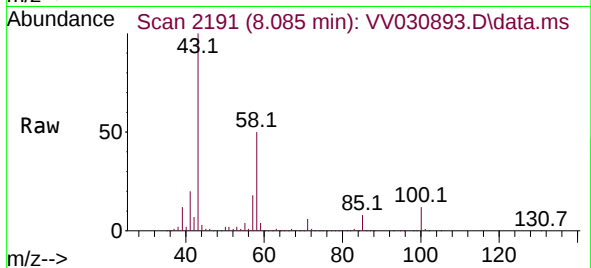




#48
2-Hexanone
Concen: 95.251 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

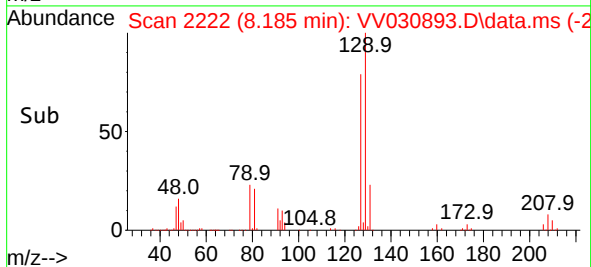
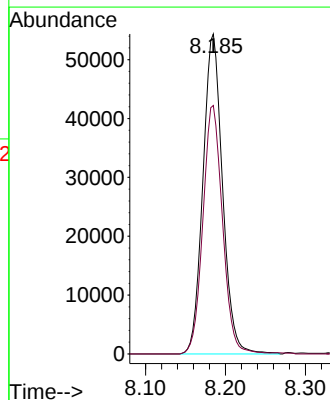
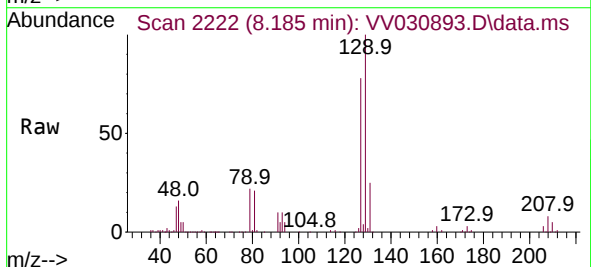
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

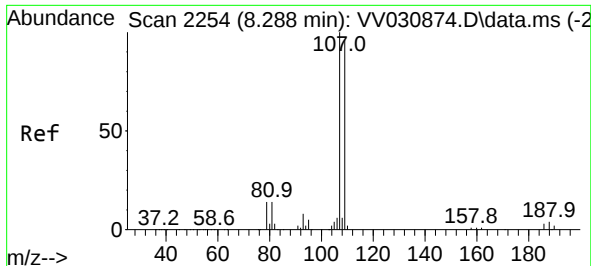
Tgt Ion: 43 Resp: 195486
Ion Ratio Lower Upper
43 100
58 48.5 41.4 62.0
57 16.8 14.9 22.3
100 12.2 9.0 13.6



#49
Dibromochloromethane
Concen: 47.160 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 129 Resp: 92879
Ion Ratio Lower Upper
129 100
127 77.6 52.8 98.2

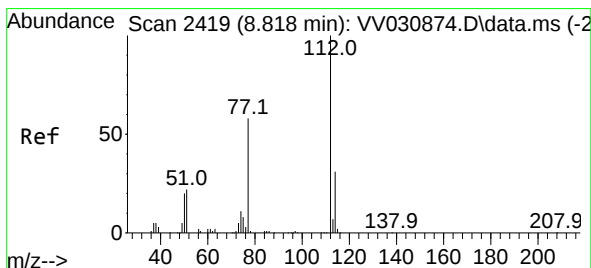
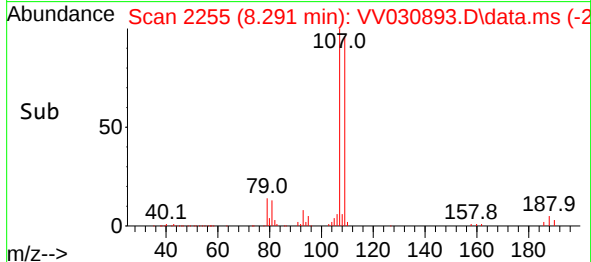
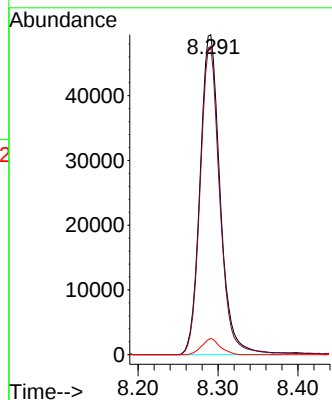
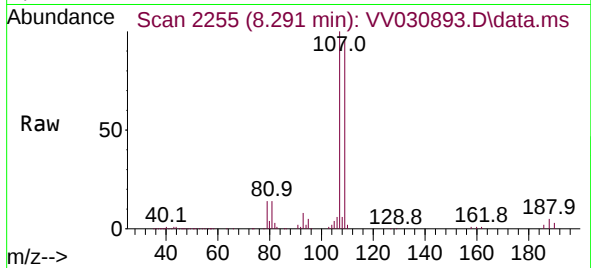




#50
 1,2-Dibromoethane
 Concen: 46.763 ug/L
 RT: 8.291 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

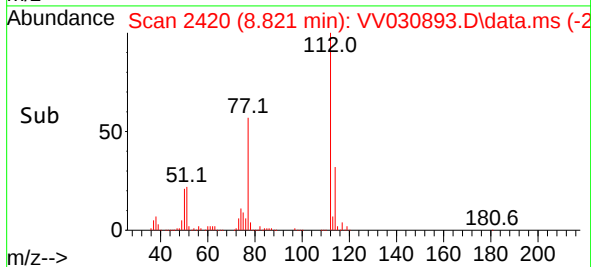
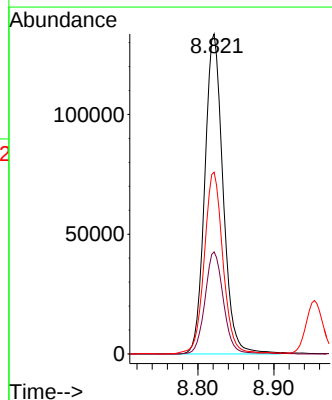
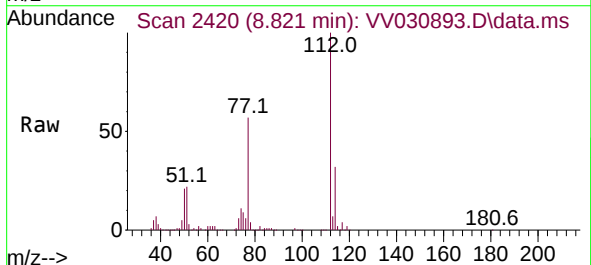
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050343

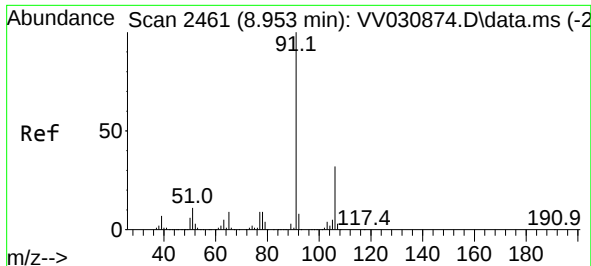
Tgt Ion:107 Resp: 86514
 Ion Ratio Lower Upper
 107 100
 109 96.3 65.7 121.9
 188 5.1 3.2 4.8#



#51
 Chlorobenzene
 Concen: 47.608 ug/L
 RT: 8.821 min Scan# 2420
 Delta R.T. 0.003 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion:112 Resp: 223418
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.4 41.6
 77 56.8 47.4 71.0





#52

Ethylbenzene

Concen: 47.327 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

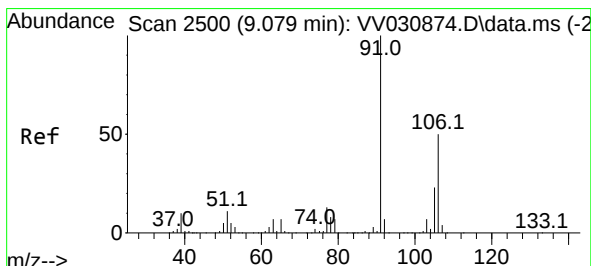
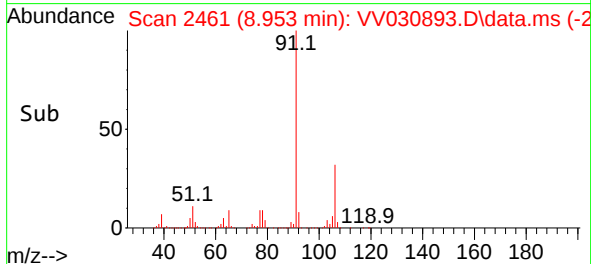
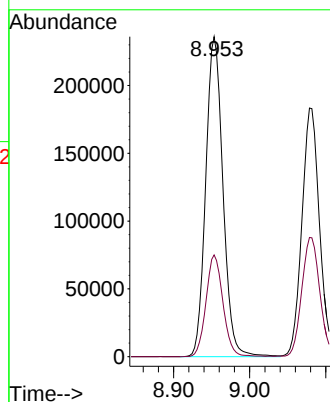
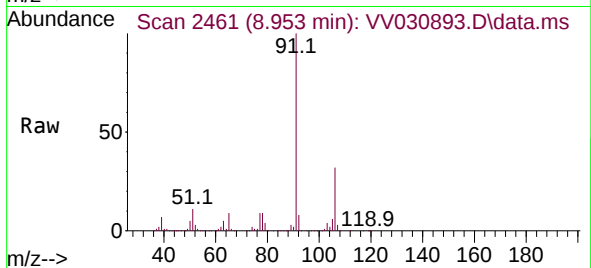
VSTD050343

Tgt Ion: 91 Resp: 371262

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 49.082 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV030893.D

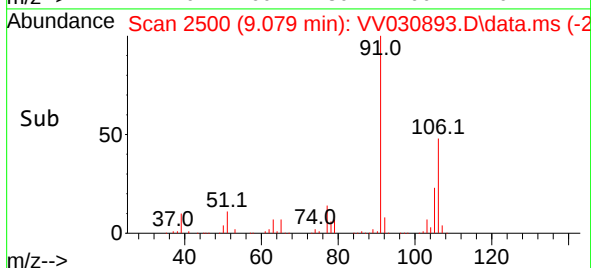
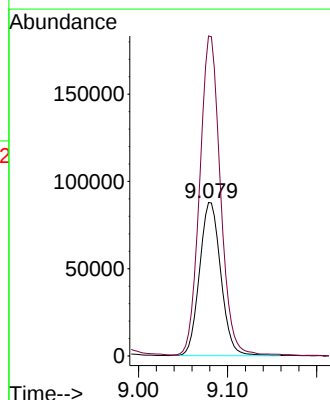
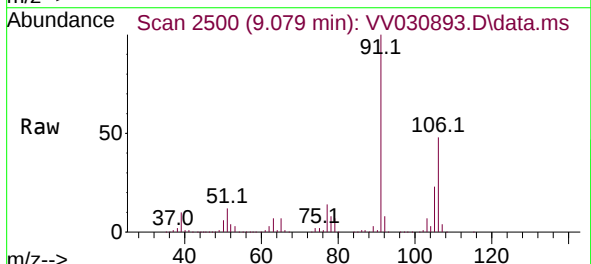
Acq: 26 Apr 2023 20:47

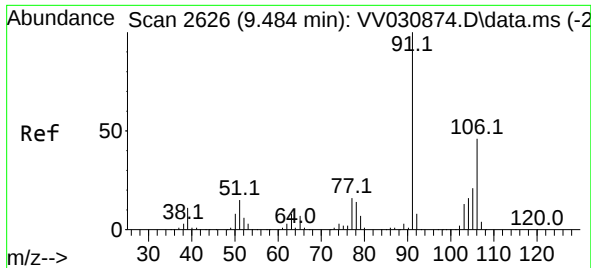
Tgt Ion:106 Resp: 145433

Ion Ratio Lower Upper

106 100

91 208.6 144.7 268.7

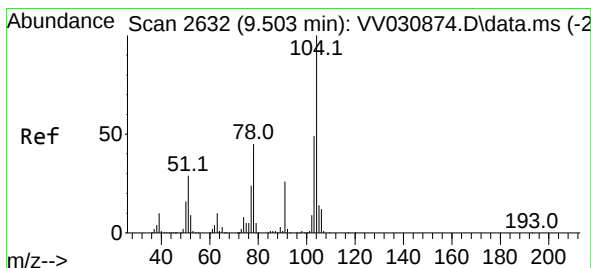
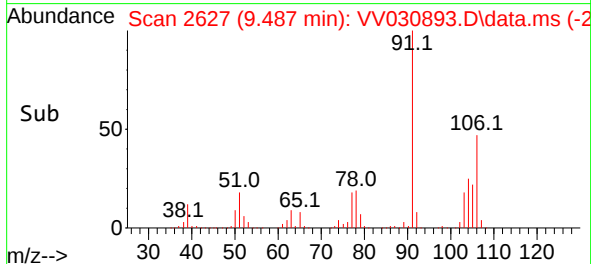
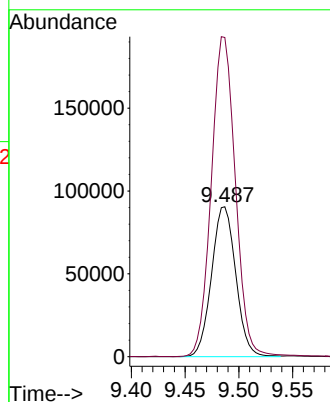
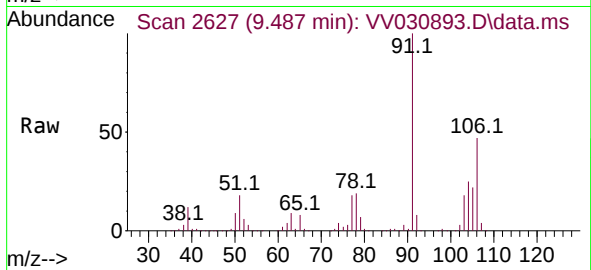




#54
o-Xylene
Concen: 48.919 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

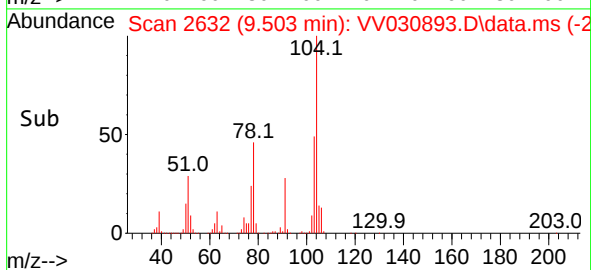
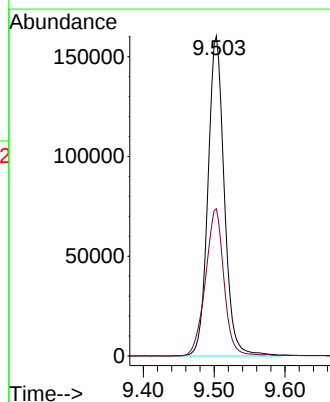
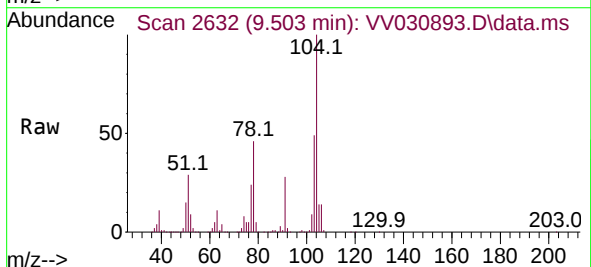
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

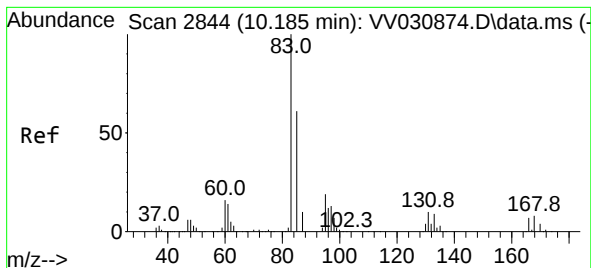
Tgt Ion:106 Resp: 141803
Ion Ratio Lower Upper
106 100
91 212.9 152.6 283.4



#55
Styrene
Concen: 50.492 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion:104 Resp: 257098
Ion Ratio Lower Upper
104 100
78 46.0 32.3 59.9

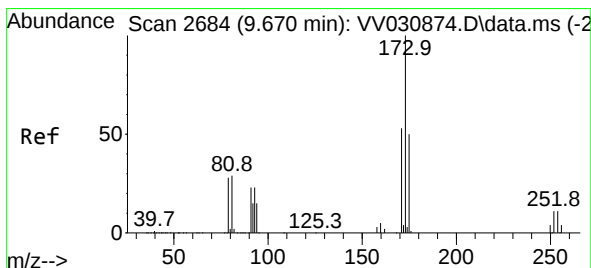
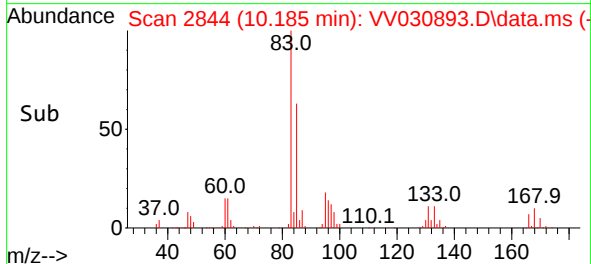
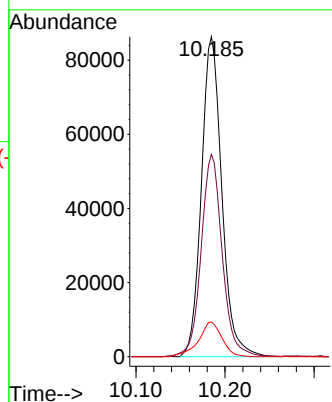
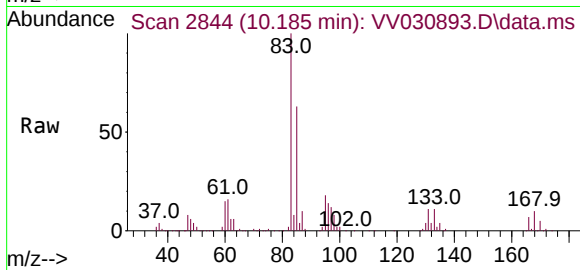




#57
1,1,2,2-Tetrachloroethane
Concen: 46.885 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

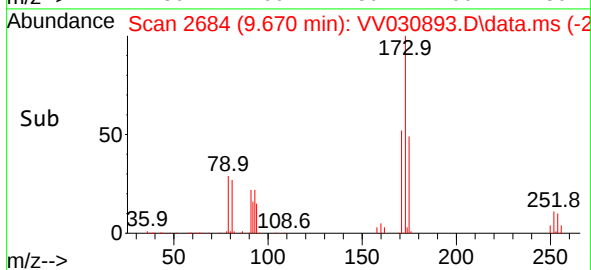
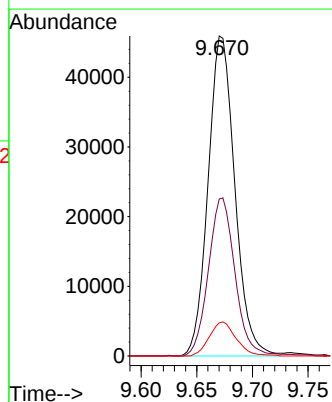
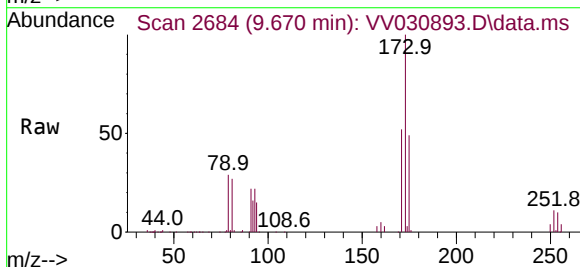
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

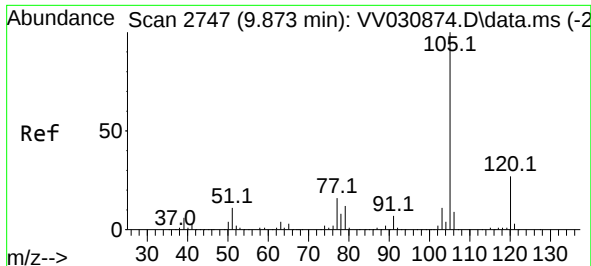
Tgt Ion: 83 Resp: 137442
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.7
131 10.9 8.0 12.0



#59
Bromoform
Concen: 46.359 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 173 Resp: 76746
Ion Ratio Lower Upper
173 100
175 49.3 38.8 58.2
254 10.7 8.2 12.4

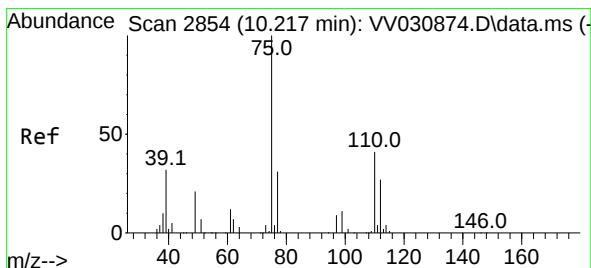
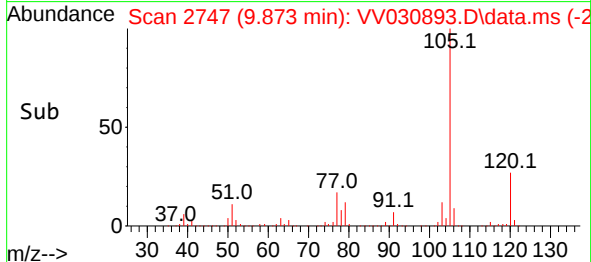
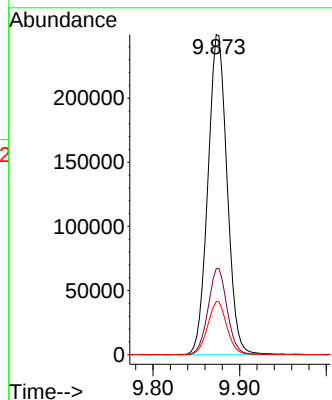
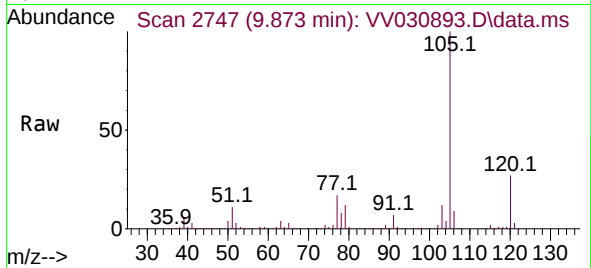




#60
Isopropylbenzene
Concen: 46.530 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

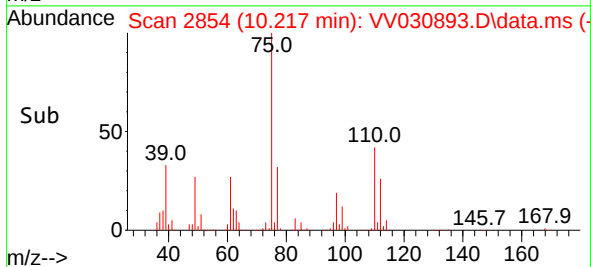
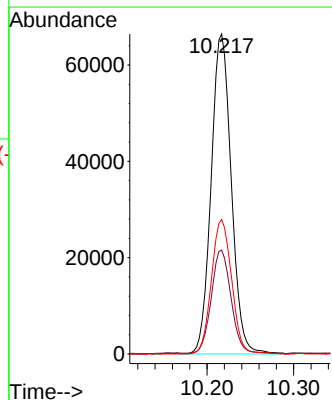
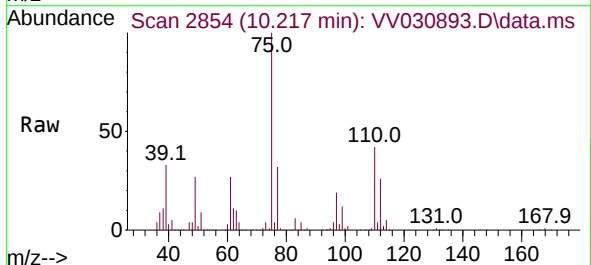
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

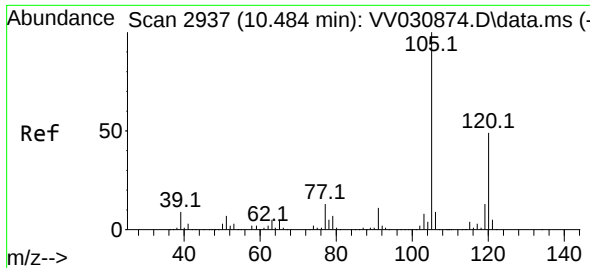
Tgt Ion:105 Resp: 383704
Ion Ratio Lower Upper
105 100
120 26.8 20.9 31.3
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 45.351 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion: 75 Resp: 107402
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
110 42.1 32.8 49.2

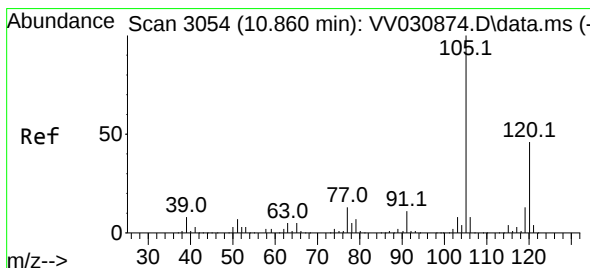
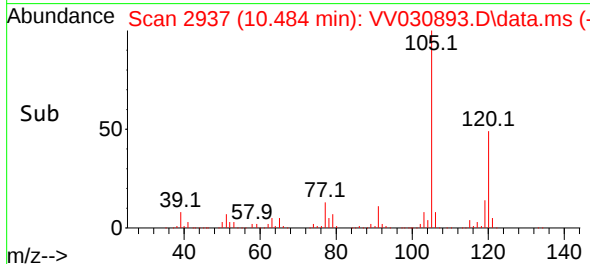
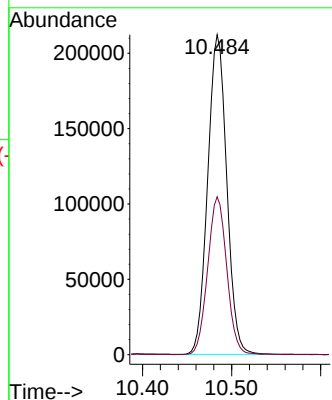
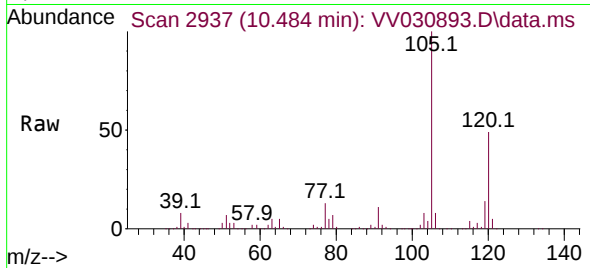




#62
1,3,5-Trimethylbenzene
Concen: 46.310 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

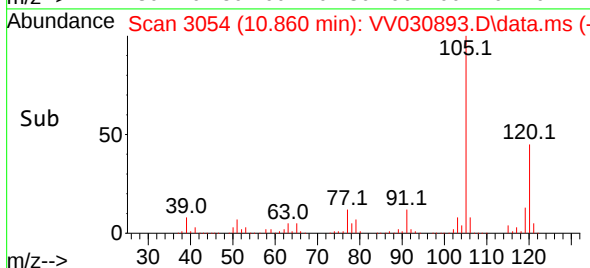
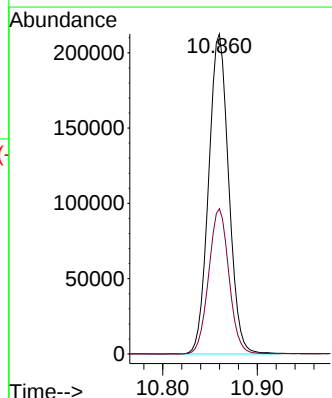
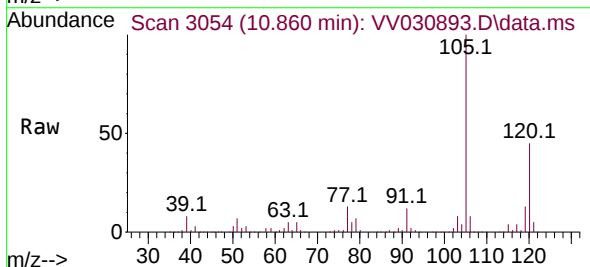
Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

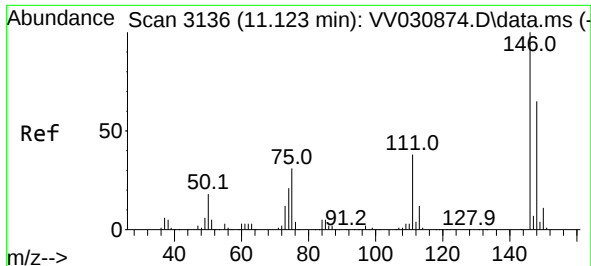
Tgt Ion:105 Resp: 314430
Ion Ratio Lower Upper
105 100
120 49.7 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 46.246 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion:105 Resp: 313506
Ion Ratio Lower Upper
105 100
120 45.9 36.2 54.4

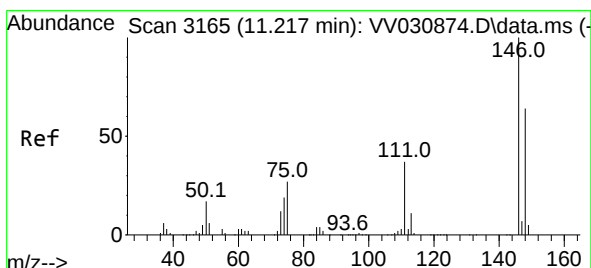
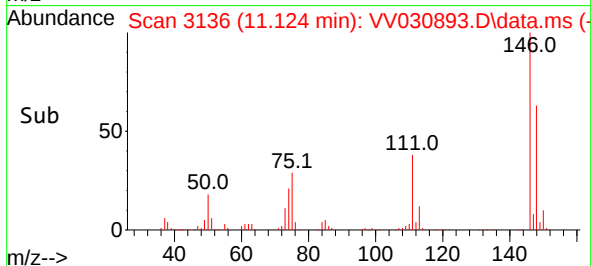
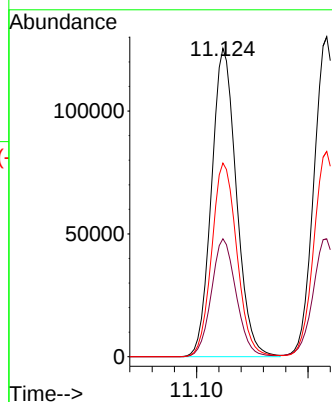
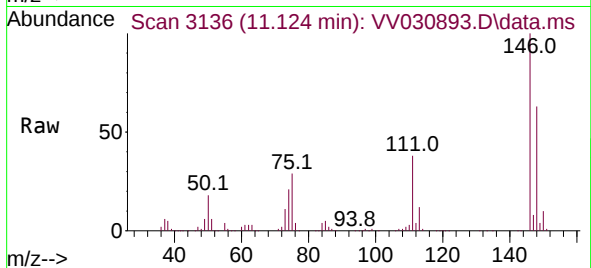




#64
 1,3-Dichlorobenzene
 Concen: 47.280 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

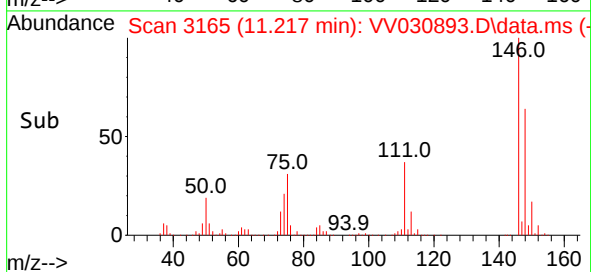
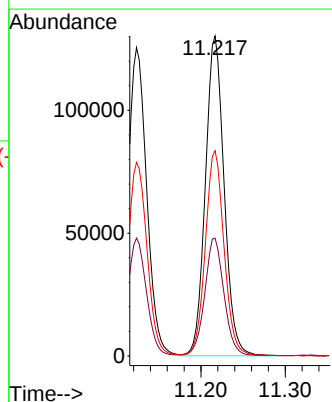
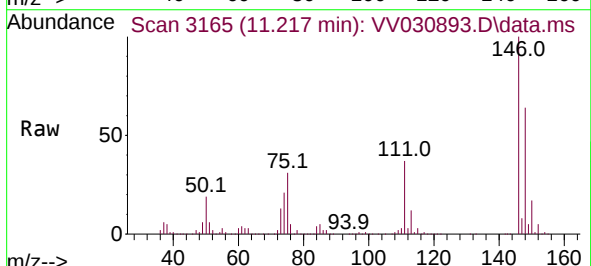
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050343

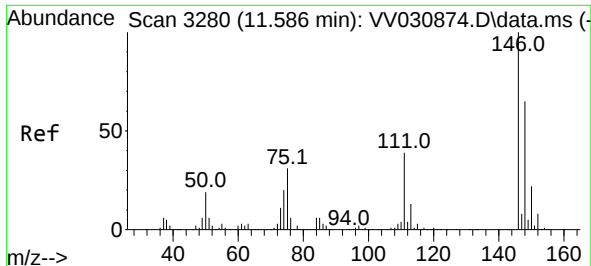
Tgt Ion:146 Resp: 195201
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.0 50.2
 148 62.8 44.8 83.2



#65
 1,4-Dichlorobenzene
 Concen: 46.357 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV030893.D
 Acq: 26 Apr 2023 20:47

Tgt Ion:146 Resp: 201819
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.5 49.1
 148 64.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 47.131 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

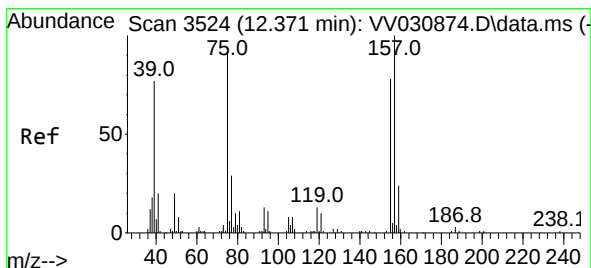
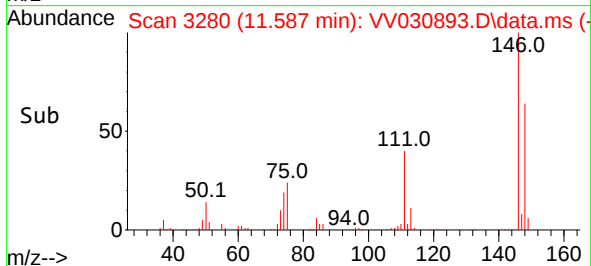
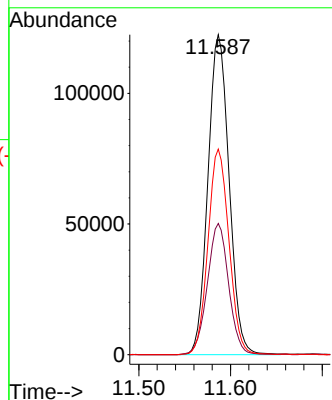
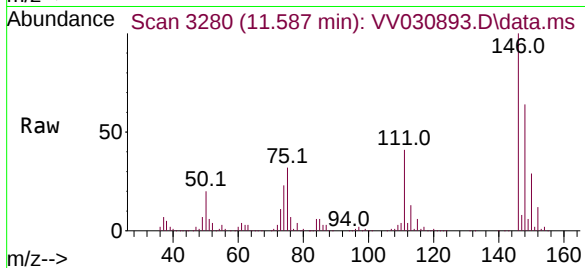
Tgt Ion:146 Resp: 196303

Ion Ratio Lower Upper

146 100

111 41.0 32.0 48.0

148 64.2 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 45.648 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

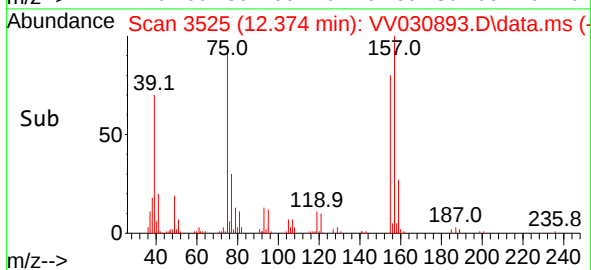
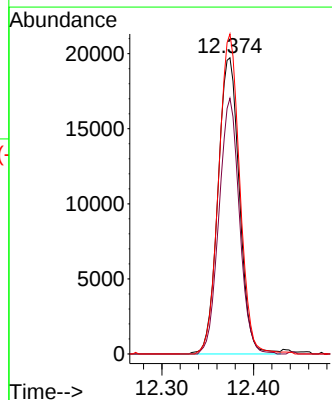
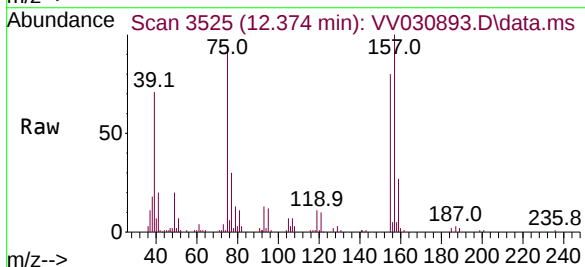
Tgt Ion: 75 Resp: 32029

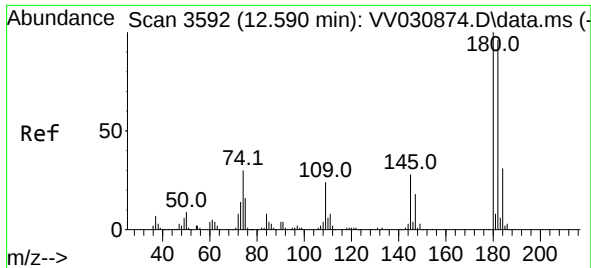
Ion Ratio Lower Upper

75 100

155 86.4 65.0 97.6

157 108.1 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 47.114 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD050343

Tgt Ion:180 Resp: 146940

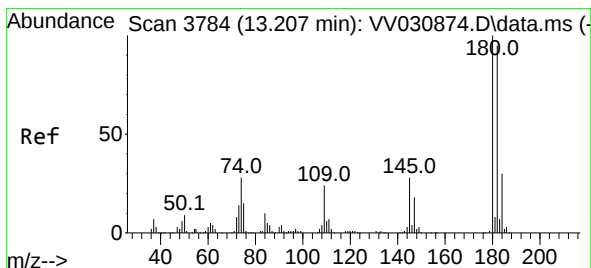
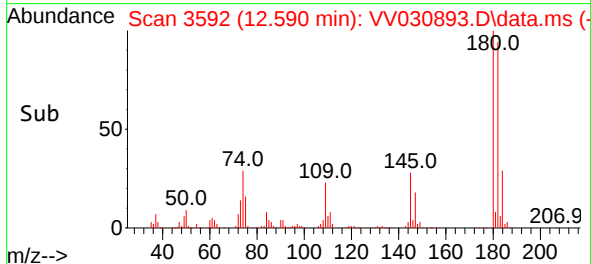
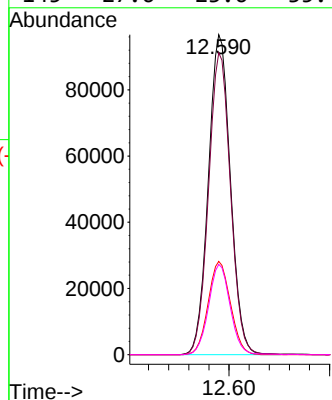
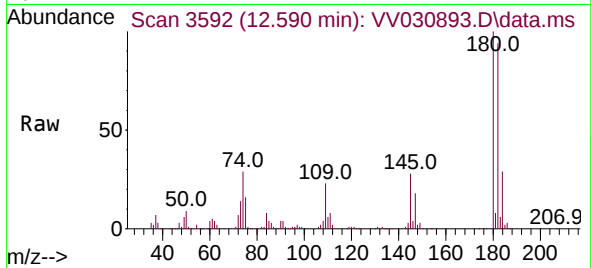
Ion Ratio Lower Upper

180 100

182 94.0 76.4 114.6

184 29.4 24.1 36.1

145 27.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 46.644 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030893.D

Acq: 26 Apr 2023 20:47

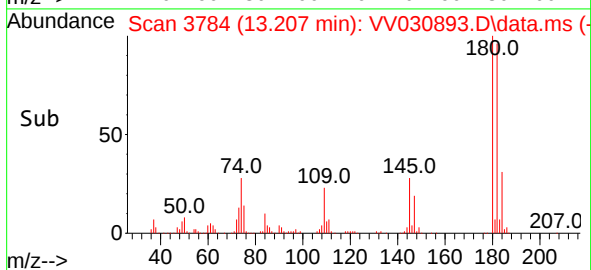
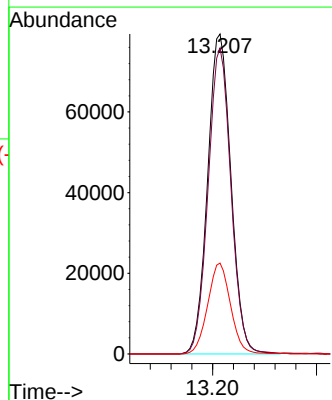
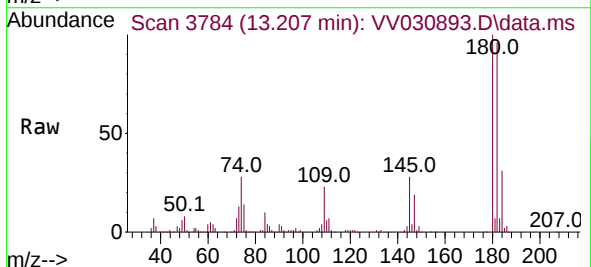
Tgt Ion:180 Resp: 123514

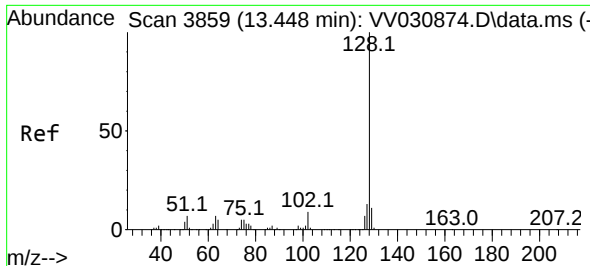
Ion Ratio Lower Upper

180 100

182 93.7 75.9 113.9

145 27.8 23.4 35.2

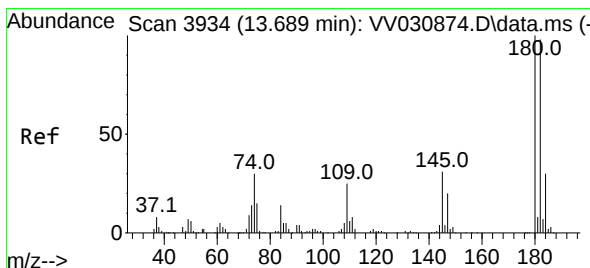
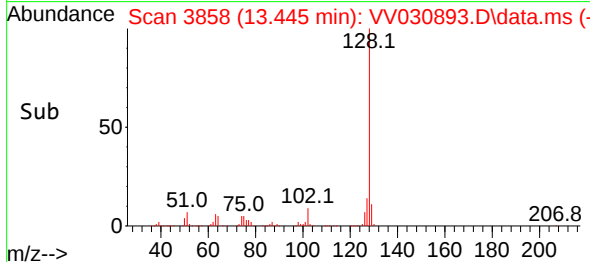
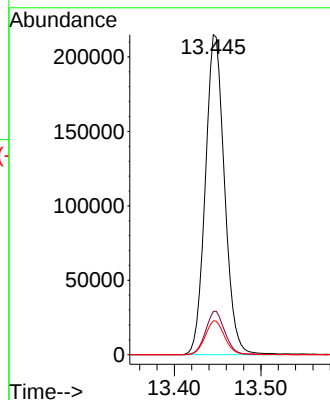
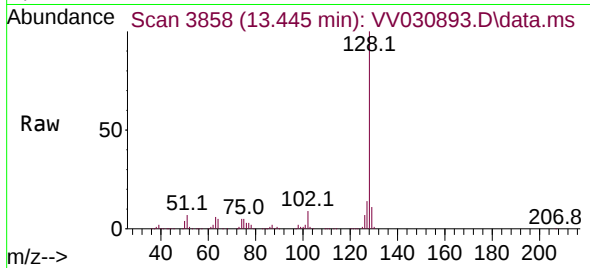




#71
Naphthalene
Concen: 45.678 ug/L
RT: 13.445 min Scan# 3859
Delta R.T. -0.003 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD050343

Tgt Ion:128 Resp: 330879
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 47.828 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030893.D
Acq: 26 Apr 2023 20:47

Tgt Ion:180 Resp: 125586
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.4
145 30.6 25.1 37.7

